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ABSTRACT

This report is the fifth in a series of annual reports to the President and Congress on the magnitude and characteristics of federal funding of research, development, and other science-related activities at universities, colleges, and other nonprofit institutions. The report analyzes current patterns of federal higher education support in terms of types of activities, agency sources of funds, fields of science, geographic locality, and institutional distribution. In addition, it provides information on federally supported research development activities at other selected nonprofit institutions. (Author)

A REPORT TO THE PRESIDENT AND CONGRESS

Federal Support to Universities, Colleges, and Selected Nonprofit Institutions, Fiscal Year 1972

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

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LETTER OF TRANSMITTAL

Washington, D.C.

DEAR MR. PRESIDENT:

I have the honor to transmit to you this report, *Federal Support to Universities, Colleges, and Selected Nonprofit Institutions, Fiscal Year 1972*, as required by the National Science Foundation Act as amended through August 1968.

Respectfully,

H. GUYFORD STEVER
Director
National Science Foundation

*The Honorable
The President of the United States*

Identical letters have been sent to:
*The President of the Senate
The Speaker of the House of Representatives*

i/ii/ iii

general notes

- The Federal obligations in this study were reported by 14 agencies that accounted for more than 95 percent of all Federal support to universities and colleges.
- The Federal obligations shown in this report for the 85 selected nonprofit research institutes and 22 Federally Funded Research and Development Centers (FFRDC's) administered by nonprofit institutions comprised approximately 85 percent of total Federal support to all research institutes and FFRDC's managed by nonprofit institutions.
- Hospitals, professional and technical societies, academies of science, museums, and philanthropic foundations are not included in this study. These types of organizations account for approximately 40 percent of total Federal R&D support to nonprofit institutions other than universities and colleges.
- Federal obligations are reported for the Federal fiscal year, ending June 30 of the year shown.
- Educational data on degrees awarded are from the U.S. Office of Education and cover the academic year 1970-71.

acknowledgments

This report was developed in the R&D Economic Studies Section, Division of Science Resources Studies, under special guidance of William Stewart, Head. The survey was conducted and the report prepared under the direction of Richard M. Berry, Study Director, Universities and Nonprofit Institutions Studies Group. The data were compiled and the report written by Suzanne H. Sale.

FOREWORD

This report is the fifth in a series of annual reports to the President and Congress on the magnitude and characteristics of Federal funding of research, development, and other science-related activities at universities, colleges, and other nonprofit institutions, as required by the 1968 amendment to the National Science Foundation Act of 1950. The report analyzes current patterns of Federal higher education support in terms of types of activities, agency sources of funds, fields of science, geographic locality, and institutional distribution. In addition, it provides information on federally supported R&D activities at other selected nonprofit institutions. The source of the information is the Government-wide data system originally established under the auspices of the Committee on Academic Science and Engineering (CASE).

We extend our appreciation to staff members of the cooperating agencies, without whose help this compilation would be impossible. The analysis and preparation of the report were carried out by the Division of Science Resources Studies, Charles E. Falk, Director. The Management Information Office, George Pilarinos, Management Information Officer, was responsible for processing the data.

H. Guyford Stever
Director
National Science Foundation

February 1974

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HIGHLIGHTS

TOTAL FEDERAL OBLIGATIONS

- Total Federal obligations (exclusive of loans) to universities and colleges showed substantial gains in both current dollars (\$643 million constant dollars (\$416 million) from fiscal year 1971 to fiscal year 1972. The 1971-72 current-dollar increase was the largest single-year gain since 1965-66, when a 1-year jump of \$704 million was reported.
- Nearly all of the increase occurred in R&D and nonscience programs, with gains of 19 percent and 34 percent, respectively. Other programs are as "fellowships, traineeships, and training grants" and "general support science" dropped below 1971 levels.
- In 1972, as in previous years, the Department of Health, Education and Welfare led all other Federal agencies in total funding to universities and colleges with \$2,828 million, up 25 percent over the 1971 level.
- In 1972 the first 100 universities and colleges in total Federal funding received \$2,670 million, some \$257 million more than in 1971. Their total funds to all institutions, however, declined from 69 percent in 1971 to 65 percent in 1972.

ACADEMIC SCIENCE OBLIGATIONS

- Federal academic science funding increased by \$256 million, or 11 percent, to a level of \$2,599 million, but continued to decline as a percentage of total Federal obligations. In 1964 academic science made up 94 percent of the total; by 1972 this proportion dropped to 63 percent. In this period, nonscience support increased sixteenfold from \$96 million to \$1,532 million.
- Federal obligations for academic research and development amounted to \$1,853 million in 1972—\$302 million higher than the total reported for 1971. This increase may be traced to HEW—up \$184 million, and the National Science Foundation—up \$118 million.

- The life sciences received \$896 million in Federal academic R&D obligations in 1972—21 percent, or \$154 million more than in 1971. Other significant R&D gains occurred in the environmental sciences which increased by \$51 million to \$187 million and in engineering which went up by \$35 million to \$193 million.

- In 1972 R&D plant funding rose \$7 million, or 23 percent—the first increase in this category since 1965.

- Federal funds for fellowships, traineeships, and training grants in the sciences and engineering declined by \$33 million to \$388 million in 1972. Dollar reductions ranging from \$5 million to \$14 million were reported by the Environmental Protection Agency, the Social and Rehabilitation Service, the Office of Education, and the National Science Foundation.

- The life sciences, with \$224 million in fellowship and training obligations accounted for 58 percent of total training funds in 1972, an increase in percentage points over the 1971 share. At the same time, the commercial share of the physical sciences and engineering fell by 4 percentage points reflecting the reduction in NSF training support.

- During 1972 Federal funding of general support for science activities declined by \$16 million to a level of \$83 million. The 1971-72 decrease attributable primarily to the phasing out of the Science Development Program of the National Science Foundation.

FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS (FFRDC's)

- Federal support to university-based FFRDC's passed the billion-dollar level in 1972. The 1972 total of \$1,077 million represented an increase of 10 percent over the amount provided in 1971, the largest annual increase in the last decade. More than 56 percent of the Federal total came from the Atomic Energy Commission which distributed \$609 million among 11 centers.

SELECTED NONPROFIT INSTITUTIONS

- During 1972 the 85 independent, nonprofit research organizations in the study received \$241 million for R&D activities. In 1972, for the first time, the Department of Health, Education, and Welfare and the Department of Defense administered nearly equal shares (40 percent) of the total for the sector.
- In addition, Federally Funded Research and Development Centers managed by nonprofit institutions were awarded \$221 million in 1972, an increase of \$5 million over the 1971 total.

INTRODUCTION

Background

This report constitutes the fifth in a series of annual reports to the President and Congress, authorized by Section 3(a) (7) of the National Science Foundation Act of 1950, as amended in 1968, on Federal obligations for research and development and R&D plant at institutions of higher education and selected other nonprofit organizations. This report also represents the seventh annual report on Federal obligations for academic science and other educational activities. This latter responsibility was undertaken by the National Science Foundation (NSF) on behalf of the Federal Council for Science and Technology (FCST) which, in 1965, established the data collection system that now serves both reports.

A major portion of the report focuses on Federal obligations to universities and colleges for research and development, R&D facilities, and science education. The report examines science education in terms of three broad areas of support: fellowships, traineeships, and training grants; general support for science; and facilities and equipment for instruction in science and engineering. Data on Federal funding of nonscience activities are also given to provide a total picture of Federal support of higher education. In addition to analyses by type of activity, data are included on fields of science, agency sources of support, and geographic and institutional distribution of Federal funds.

Another part of the report, more limited in scope, contains data on Federal obligations to selected nonprofit institutions for the support of research and construction and operation of research facilities.

Scope and Limitations of Data

Data included in this report for fiscal year 1972 were reported by the following 14 Federal agencies listed by their acronyms and abbreviations used throughout this report:

AEC—Atomic Energy Commission
AID—Agency for International Development
Commerce—Department of Commerce
DOD—Department of Defense
DOT—Department of Transportation
EPA—Environmental Protection Agency
HEW—Department of Health, Education, and Welfare

HUD—Department of Housing and Urban Development
Interior—Department of the Interior
Labor—Department of Labor

NASA—National Aeronautics and Space Administration
NSF—National Science Foundation
OEO—Office of Economic Opportunity
USDA—Department of Agriculture

Excluding AEC, which reported in terms of costs, dollar amounts represent actual obligations incurred by the agencies during a fiscal year regardless of when the funds were expended. Funds from the respective agencies comprised more than 95 percent of all Federal support going to institutions covered by this study. Part I of this report includes data on universities and colleges and 31 academically associated FFRDC's. It includes information on 85 selected research performing organizations (RPO's) managed by nonprofit institutions.

Obligations data for universities and colleges include Federal support awarded directly to individual institutions. Excluded are loans, funds for general employee training, and funds obligated to State agencies for support of higher education. This report covers total funds obligated by Federal agencies during the Government's fiscal year, beginning July 1 and ending June 30. The date of award as recorded by a Federal agency may differ from the date the award is received or accepted by an institution. For this reason, there may be strict comparability between totals reported by Federal agencies and totals computed by institutions themselves.

Other differences between Federal agency and individual institution records occur for institutions comprising university systems. In instances an agency cannot report an award in terms of the individual institutions receiving the funds and, consequently, must include the award under a systemwide entry entitled "central system" or "system." "Central system" totals in this report amounted to \$51 million obligated by institutions in fiscal year 1972.¹ Although these total obligations represent 1 percent of Federal obligations to all U.S. institutions of higher education, undistributed obligations may be substantial in relation to individual institutions. The effect on some individual institutional totals can be significant since obligations reported for member institutions of a system are stated to the extent that "central system" obligations work down to

¹ A list of the 27 systems receiving obligations in fiscal year 1972 can be found in the technical appendix A, p.38. Dollar amounts are shown in appendix tables B-28, B-29, and B-30.

Part I

**FEDERAL SUPPORT TO
UNIVERSITIES AND
COLLEGES**

Section 1. TOTAL, ACADEMIC SCIENCE, AND R&D ACTIVITIES

This section of the report is organized in three parts corresponding to three levels of Federal funding: (1) total Federal support; (2) Federal funding of academic science activities; and (3) Federal support for academic research and development. The detail covers trends in Federal higher education support, agency sources of support, and geographic and institutional support patterns. In addition, field of science information is provided for R&D activities.

Total Federal Support

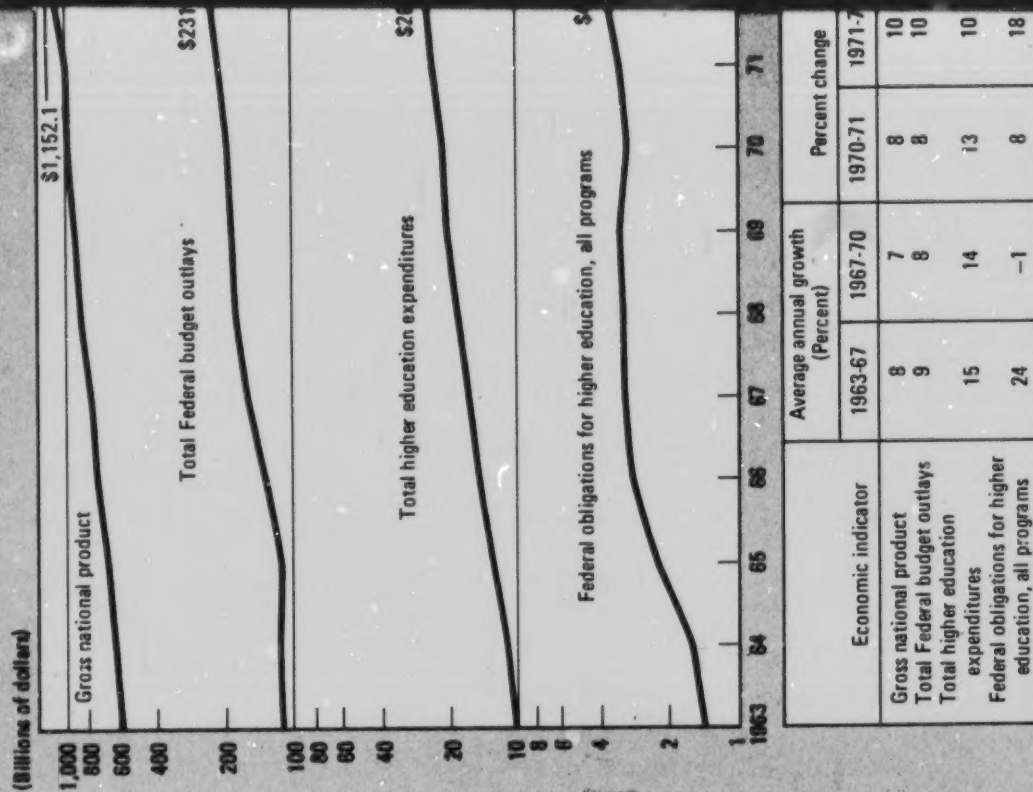
TRENDS

Total Federal funds to universities and colleges increased nearly threefold in the last nine years, from \$1.4 billion in 1963 to \$4.1 billion in 1972.¹

The accompanying chart presents comparisons of annual growth between Federal funding of higher education and various other economic indicators from 1963-72, including gross national product (GNP), total Federal budget outlays, and total higher education expenditures. In the 1963-67 period—and again between 1971 and 1972—Federal support to academic institutions grew somewhat faster than any of these other indicators. Over the 1967-70 period, however, Federal academic funding showed an average annual decline of 1 percent while other indicators were rising at an annual rate of 7 percent to 14 percent.

¹ Data are based on obligations from Federal agencies in each indicated year, including funds which may be expended in future years. In this regard, it should be noted that some \$460 million in 1972 obligations to academic institutions reported by the Office of Education (OE) for College Work Study and Educational Opportunity Grants represented initial "forward funding," i.e., funds obligated in 1972 but designated for use in 1973. Since both of these programs are classified as nonscience activities, none of the academic science increases are affected by the first time "forward funding" of these two programs. Also, one should note that 1971-72 dollar changes for research and development, academic science, and total obligations to academic institutions cited in this report are based, in part, on 1971 figures that are \$7.2 million higher than those previously published. This results from an adjustment in the 1971 Department of Defense report for the Massachusetts Institute of Technology.

Trends in Federal support of higher education compared with other economic variables, FY 1963-72

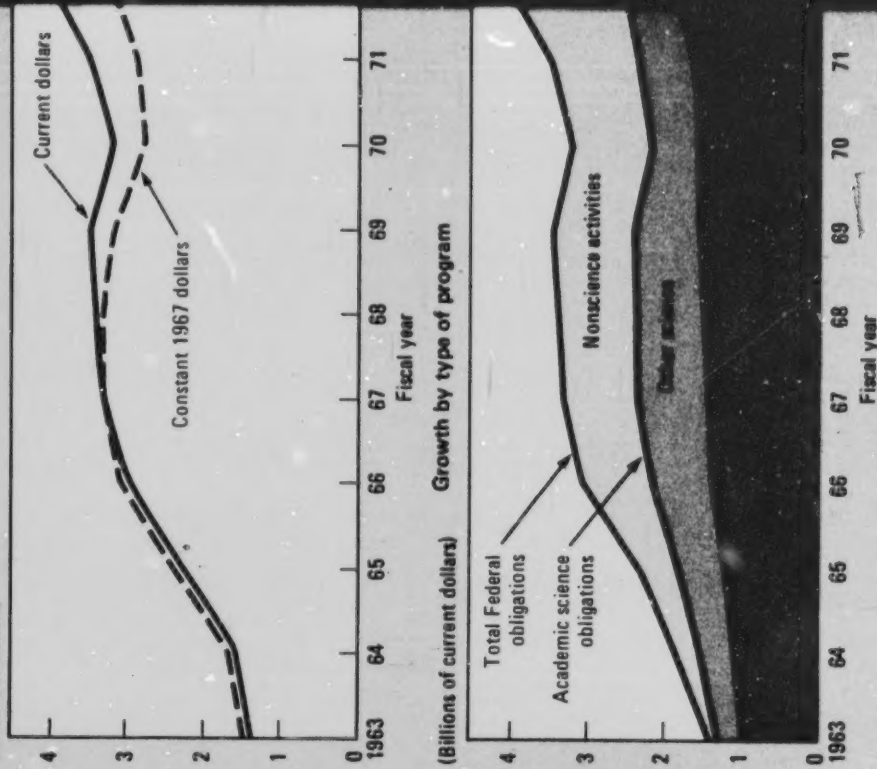
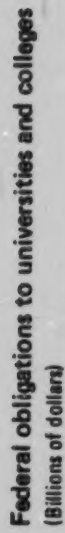


SOURCES: Department of Commerce; National Science Foundation; Office of Education; and Office of Management and Budget.

Of particular importance is the relationship of the level of Federal funding of universities and colleges to the level of total expenditures by institutions of higher education. Over the 1963-72 period total higher education expenditures rose from \$8.2 billion in 1963 to an estimated \$26.4 billion in 1972. During this period the share of Federal funding increased from 17 percent in 1963 to 24 percent in 1966; fell to less than 15 percent by 1971; and rose slightly to 16 percent in 1972—still below the 1963 proportion.

From 1963-72 the trend in total Federal support for higher education may be viewed in three stages: (1) a period of rapid growth between 1963 and 1967; (2) a period of stabilization or slight decline from 1967-70; and (3) accelerated growth between 1970 and 1972. In current dollars the period 1970-71 to 1971-72 shows yearly gains of 8 percent and 18 percent, respectively.

Similar trends may be noted for the two largest components of total funding, research and development, and nonscience activities.



Type of program	Average annual growth (Percent)		Percent change	Percent change
	1963-67	1967-70	1970-71	1971-72
Total	+24	- 1	+ 8	+18
Academic science	+15	- 2	+ 7	+11
Research and development	+12	+ 4	+ 7	+19
R&D plant	+ 1	-26	-33	+23
Other science	+23	- 8	+ 9	- 7
Nonscience activities	+84	+ 2	+10	+34

SOURCE: National Science Foundation

AGENCY DISTRIBUTION

The Department of Health, Education, and Welfare (HEW), the principal Federal sponsor of higher education programs, awarded \$2,328 million to universities and colleges in 1972—25 percent more than the 1971 total. The 1972 increase of \$565 million continued an upward funding trend that began in 1970 and is, in part, attributable to the "forward funding" of certain Office of Education (OE) programs as previously noted. The two major constituent agencies within HEW—the National Institutes of Health (NIH) and OE, with respective obligations of \$1,356 million and \$999 million—reported 1971-72 increases of \$202 million (17 percent) and \$301 million (43 percent), respectively. The National Cancer Institute received nearly one-third of the NIH dollar increase, the largest 1972 increment among the 10 component institutes of NIH.

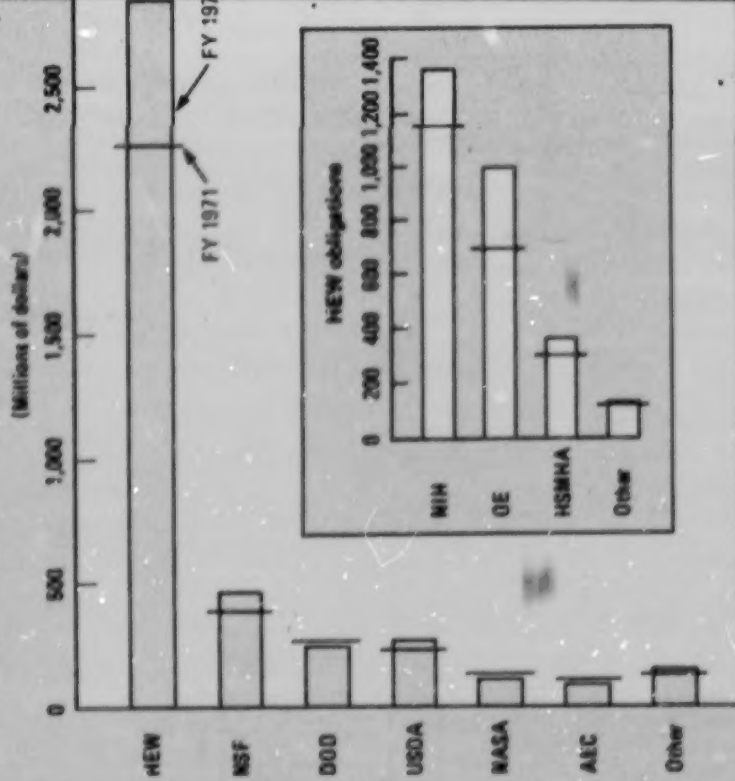
Obligations by NSF, which ranks second in academic support, increased in 1972 by \$71 million (18 percent) to \$459 million—the largest yearly increase for the Foundation in the 1963-72 period in both absolute and relative terms.

The 1972 HEW and NSF funding increases brought the combined share of these two agencies from 76 percent of the Federal total in 1971 to 80 percent in 1972.

Three of the four other major support agencies reported lower totals in 1972: The Department of Defense (DOD), the National Aeronautics and Space Administration (NASA), and the Atomic Energy Commission (AEC). These three showed a combined decrease of \$31 million, or 6 percent. Since 1969 there has been a continuous decline in both DOD and AEC support.

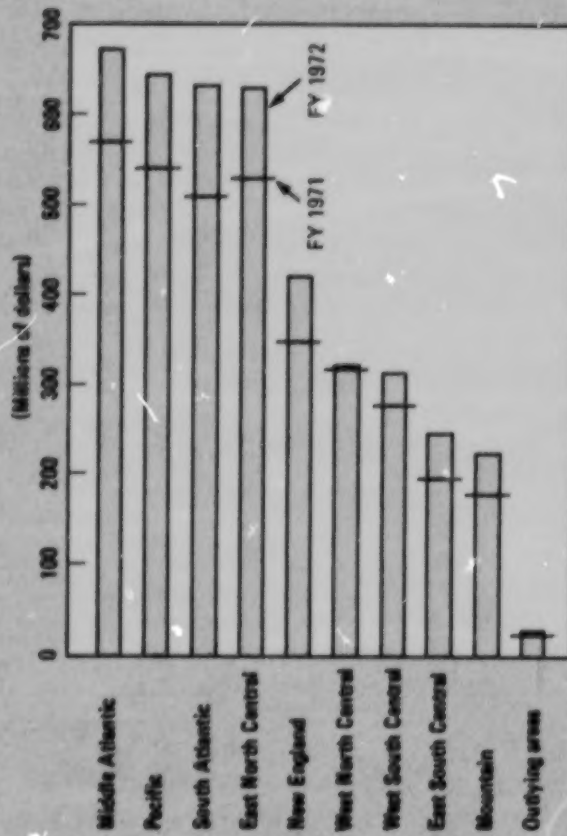
The Department of Agriculture (USDA), fourth in total obligations to universities and colleges with \$239 million, evidenced a \$24 million gain, or 11 percent, in 1972.

Total Federal obligations to universities and colleges, by agency



SOURCE: National Science Foundation

Total Federal obligations to universities and colleges, by geographic division



SOURCE: National Science Foundation

GEOGRAPHIC DISTRIBUTION

The concentration of Federal higher education funds within the two leading geographic divisions did not change measurably during the 1971-72 period. The proportion of total support accounted for by the two divisions receiving the largest amounts—the Middle Atlantic and Pacific—remained at 32 percent, from 1971-72, with each receiving approximately 16 percent of the total.

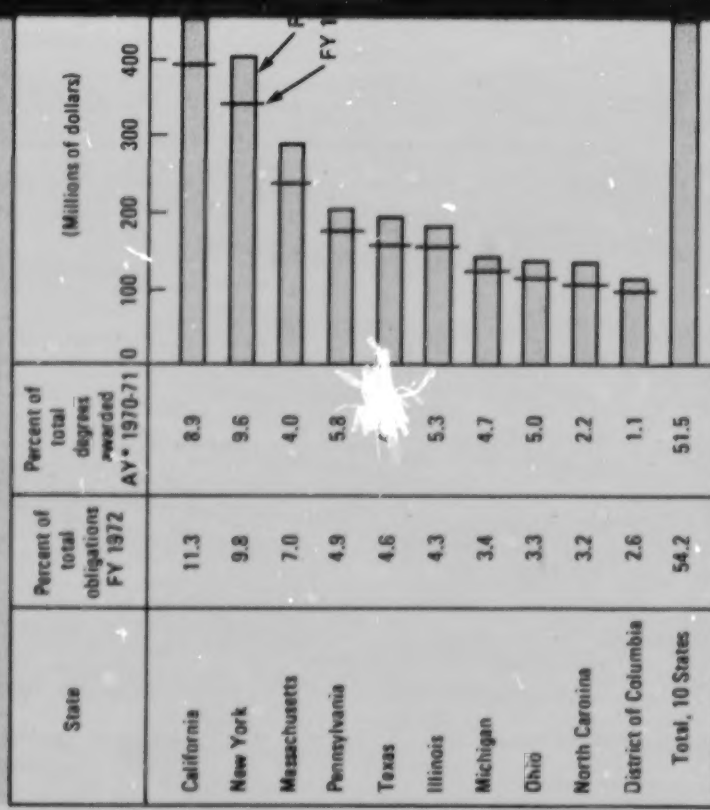
Slight changes in the national distribution occurred among some of the other divisions. The West North Central division, which showed the slowest divisional growth rate during 1971-72, evidenced a small decline of its share of the national total. The South Atlantic division increased its share of total support with a \$124 million increase in 1972 funds, the largest dollar gain among the nine divisions.

In 1972, as in the previous year, universities and colleges in the 10 largest recipient States accounted for 54 percent of total Federal funding. From 1971 to 1972 the composition as well as the rank order of States within the leading 10 group remained the same.

All 10 States registered gains in this period, ranging from nearly 10 percent in the District of Columbia to 25 percent in North Carolina. In all terms, the largest increases were reported for the three highest ranking States—California, New York, and Massachusetts.

In the total for the 10 leading States, the flow of funds and the distribution for degree production follow the same pattern, with a variance in individual States. Institutions in the first 10 States which received 54 percent of total Federal obligations awarded 52 percent of the academic degrees during 1970-71. Also eight of the first 10 States in the degrees granted rank among the first 10 States in terms of total Federal support. Only two of the States, California and Massachusetts, evidenced a difference of over 2 percentage points between their total support and earned proportions.

Total Federal obligations to universities and colleges in the 10 States receiving the largest amounts compared to total degrees awarded



* Academic year
SOURCE: National Science Foundation

INSTITUTIONAL DISTRIBUTION

Federal obligations to universities and colleges continue to be highly concentrated, with 4 percent of the institutions receiving 67 percent of the funds in 1972. From 1971-72, however, there was notable upward movement of the lowest ranking institutions. The number of institutions receiving less than \$100,000 declined by 31 percent, from 1,028 in 1971 to 706 in 1972, while the number of institutions in the \$100,000 to \$499,000 size class increased by 29 percent, from 800 in 1971 to 1,031 in 1972. Much of this growth may be attributed to exceptionally high funding levels for nonscience activities, part of which consisted of initial "forward funding" in the educational opportunity grants and college work-study programs administered by OE.

Number of universities and colleges receiving Federal obligations, ranked by size of Federal program: fiscal year 1972

[Dollars in thousands]

Size of Federal program	Total obligations		Institutions	
	Amount	Percent distribution	Number	Percent distribution
Total	\$4,079,899	100.00	2,413	100.00
\$10 million or more	2,721,300	66.70	105	4.35
\$5 million to \$9.9 million	384,537	9.43	54	2.24
\$1 million to \$4.9 million	509,823	12.50	261	10.82
\$500,000 to \$999,000	182,986	4.49	256	10.61
\$100,000 to \$499,000	247,531	6.07	1,031	42.73
Less than \$100,000	33,722	.83	706	29.26

*Does not include \$50,882,000 reported under central offices of university systems (central systems); these funds could not be tabulated for individual member institutions and, therefore, were excluded from this table.

Source: National Science Foundation.

The 100 academic institutions receiving the largest amounts of Federal funding in 1972 accounted for \$2,670 million. Although the first-100 total went up by 11 percent in 1972, their share of total funding declined from 69 percent in 1971 to 65 percent in 1972. Of the \$257 million increase in obligations to the first 100 institutions, \$78 million, or 30 percent, went to the first 10 universities.

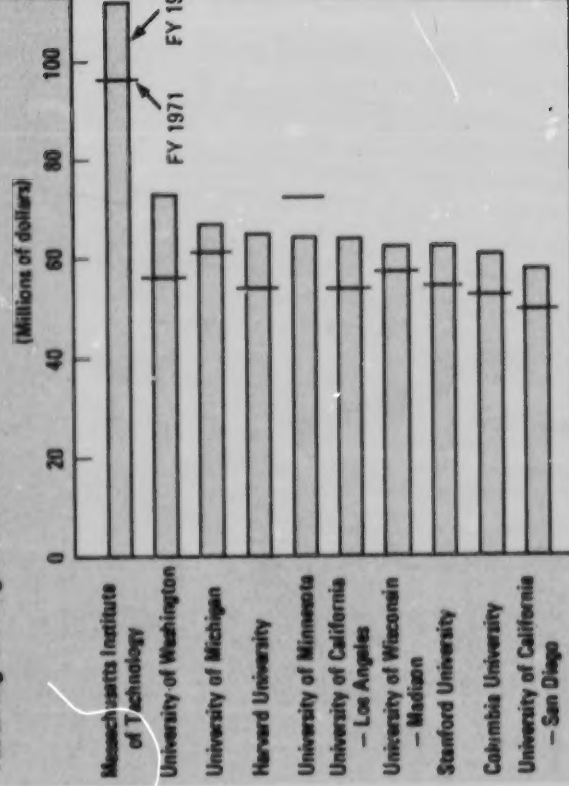
Nine of the leading 10 academic institutions showed increased support from 1971 to 1972 with the largest gains reported for the University of Washington (\$17 million) and the Massachusetts Institute of Technology (\$16 million).

The \$8 million decline in University of Minnesota funds reflects a move to a more typical support level from the unusually high level of funding in 1971 that was attributable to a large health science facilities construction award.

When the distribution of Federal funds to universities and colleges is compared with the distribution of other variables, such as number of degrees awarded, the first 100 universities and colleges in Federal funding show a wide gap. For example, the first 10, 50, and 100 institutions accounted for 17.48, and 60 percent, respectively, of total obligations, and only 5, 32 percent of total degrees conferred.

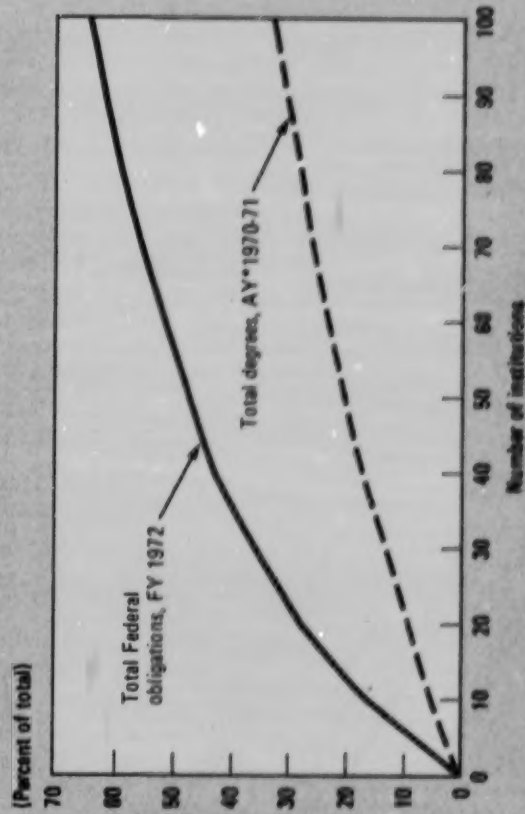
* Bachelor's degrees, or higher, academic year 1970-71.

Total Federal obligations to the 10 universities receiving the largest amounts

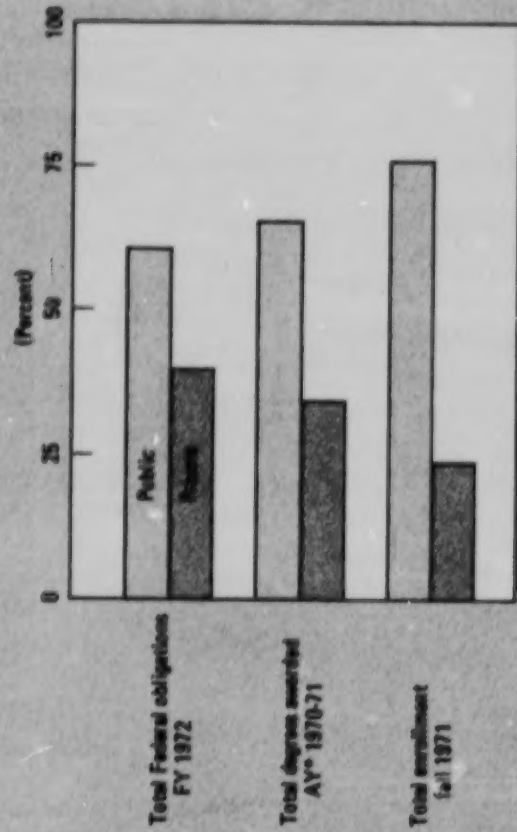


SOURCE: National Science Foundation

Distribution of total Federal obligations to the 100 universities and colleges receiving the largest compared to total degrees awarded



Federal obligations to universities and colleges compared to total degrees awarded and total enrollment, by type of control



*Academic Year
SOURCE: National Science Foundation; Office of Education

As shown below, the funding pattern for the leading 100 institutions closely parallels the output of Ph.D. degrees in the sciences and engineering than total degrees in all fields, indicating their extensive involvement in research and graduate science education.

	First 10	First 50	First 100
Percent of total obligations, FY 1972	17	40	65
Percent of S&E doctorate degrees, academic year 1970-71	16	36	80

The distribution of nonscience support, however, is closely allied degree production. The first 10 institutions in terms of total funds accounted for 5 percent of both nonscience support and total degrees conferred. For the first 100 institutions, the proportions were 37 percent science obligations and 32 percent of total degrees granted.

CONTROL OF INSTITUTION

In 1972 institutions under public control received 60 percent of total obligations. Public institutions also dominate in terms of higher education enrollment and earned degrees, accounting for 76 percent of the fall enrollment total and 65 percent of all degrees conferred during 1970-71.

The same pattern of support concentration characterizes the leading recipients of Federal support. In 1972 the 66 public institutions in the 100 group accounted for 59 percent of the funds awarded to the first recipients.

During 1972 the 1,267 private universities and colleges receiving Federal funds were awarded \$1,643 million, a 19-percent increase over the 1971 total. Public institutions, numbering 1,146, received \$2,487 million in 1972, a 18 percent. Both groups also evidenced an increase in recipient population. From 1971 to 1972 the number of private institutions participating in Federal support programs increased by 25, while the number of public institutions participants increased by 20.

Although private institutions receiving Federal support in 1972 numbered public institutions, 38 percent of the private institutions awarded less than \$100,000. In contrast, less than 20 percent of the institutions fall within the lowest support class. Moreover, 69 public institutions received over \$10 million in 1972, nearly double the number of private universities and colleges in that size category.

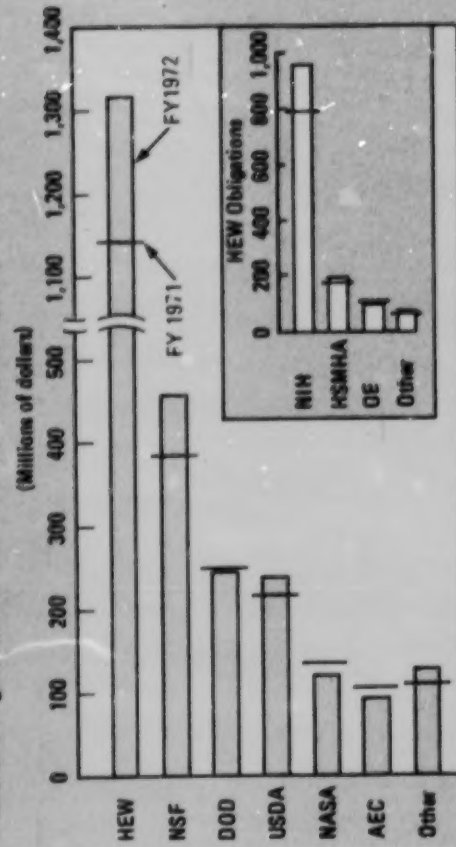
Academic Science Support

Federal academic science funding increased by 11 percent from 1971-72 to \$2,599 million. Despite this sizable dollar gain the relative level of academic science funding declined for the eighth consecutive year—from a high of 94 percent of total Federal support in 1964 to 63 percent in 1972. Over this period nonscience funding expanded from \$96 million to \$1,532 million, or from 6 percent to 37 percent of total Federal support; to institutions of higher education. Much of the growth in nonscience support may be traced to the rise in funding for OE student assistance and institutional development programs, which traditionally have been considered to be outside the sphere of academic science activities.

HEW continued to be the leading source of academic science funds, obligating \$1,318 million in 1972. Of this amount, NIH contributed \$962 million, or 73 percent of the HEW academic science total. OE, by contrast, obligated \$92 million, or 7 percent of the HEW academic science amount. The variance in the degree to which these agencies are "science" oriented is demonstrated by the fact that 71 percent of NIH's funds are reported under academic science categories while only 9 percent of OE's obligations are classified in this area.

The overall academic science increase during 1972 resulted primarily from higher HEW- and NSF-support levels. In the 1971-72 period, these two agencies registered respective gains of \$176 million and \$71 million.

Federal obligations for academic science, by agency



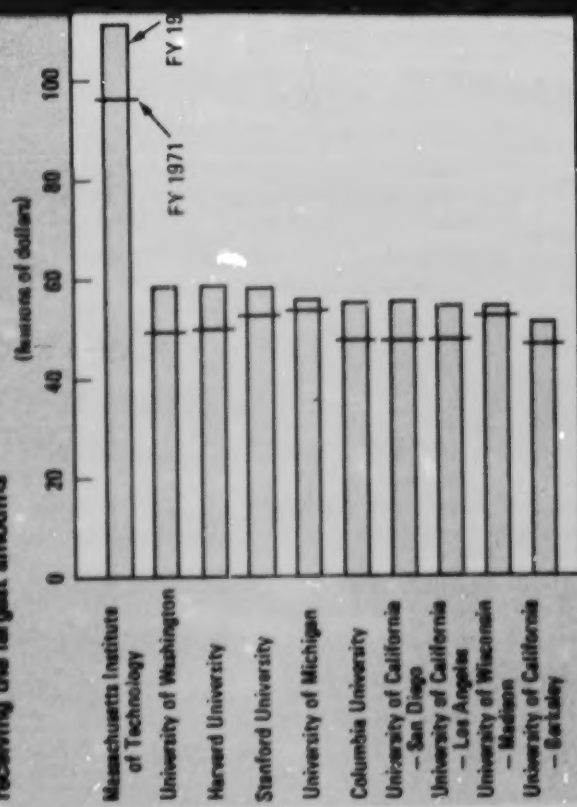
SOURCE: National Science Foundation

Institutions granting Ph.D. degrees in the sciences and engineering awarded 92 percent of the academic science obligation total in fiscal 1972. The Ph.D. granting recipients of academic science support numbered 239 in 1972, representing 17 percent of the 1,413 universities and colleges receiving funds for academic science activities. Interestingly, in that year 50 percent of Federal nonscience total was obligated to Ph.D. granting institutions.

In 1972 support levels for each of the top-10 recipients of academic science funding were higher than the totals reported for 1971. Massachusetts Institute of Technology, the leading recipient since this began in 1963, evidenced the largest dollar gain in 1972, increasing by a million to \$112 million, nearly 90 percent above the amount for the University of Washington which ranked second at a level of \$59 million. Washington's 1972 total represented an increase of 19 percent over 1971, the greatest relative gain within the leading-10 group.

HEW was the primary funding source for eight of the leading-10 institutions. The two exceptions were MIT which received 42 percent of its academic science support from DOD and the University of California at San Diego which received 40 percent of such support from NSF.

Federal obligations for academic science to the 10 universities receiving the largest amounts



SOURCE: National Science Foundation

R&D Support

In 1972 Federal support of academic research and development reached \$1,853 million, a \$302 million, or 19-percent increase over the amount invested in 1971. When measured in constant 1967 dollars, the 1972 R&D total represents a 15-percent increase over 1971, and is 9 percent above the previous high registered in 1969.

In the 1963-72 period, the university-and-college share of total Federal R&D obligations has risen steadily from 7 percent in 1963 to over 11 percent in 1972, indicating the expanded role of the academic sector in federally sponsored research and development.

The 1972 rise in Federal R&D obligations to universities and colleges was reflective of accelerated funding on the part of HEW and NSF which reported increases of \$184 million and \$118 million, respectively. Other changes in agency support levels during the 1971-72 period offset each other. The largest decline in R&D obligations was registered by NASA—down \$16 million to \$112 million.

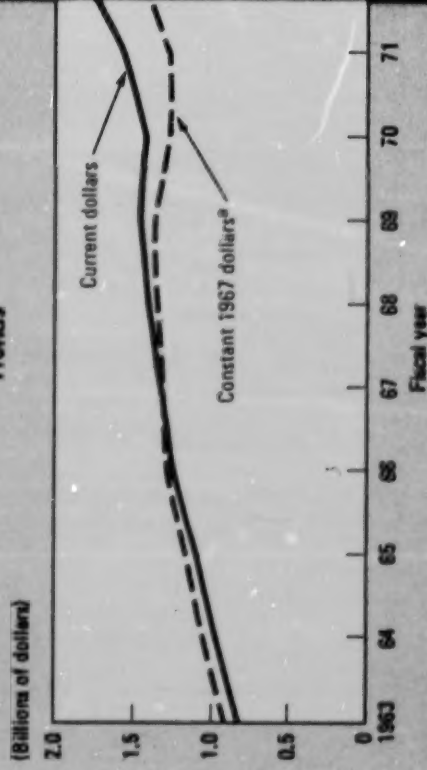
NIH accounted for \$151 million, or 82 percent, of the 1972 increase in HEW funds, reflecting primarily increased support in the areas of cancer and heart and lung research.

The 54-percent increase for NSF in 1972 brought that agency's R&D total to \$335 million. In 1972, for the first time, NSF ranked second among the 14 agencies supporting university research, replacing DOD which had held that position since 1963.

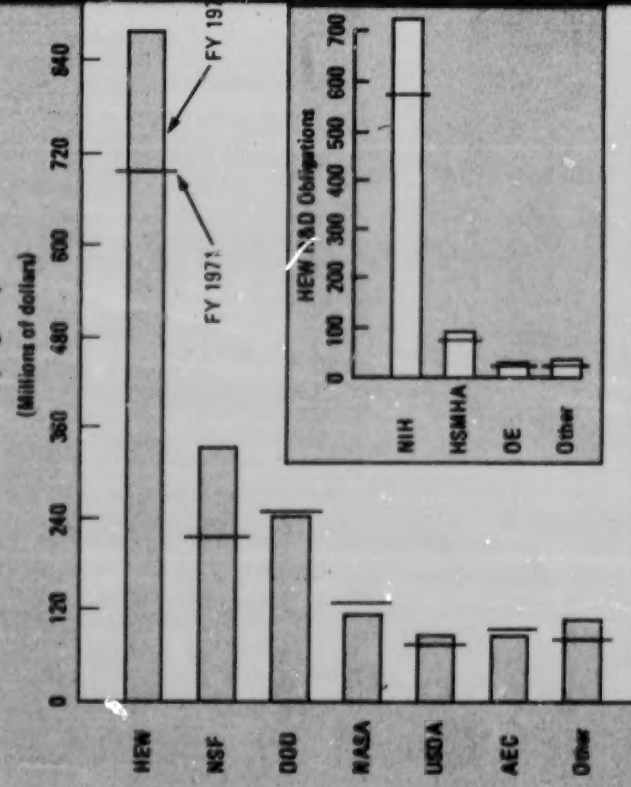
Both HEW and NSF, as a result of their extensive growth during this period, significantly increased their shares of the Federal academic R&D obligations total. HEW's share rose from 45 percent of the total in 1971 to over 47 percent in 1972, while NSF's share climbed by 4 percentage points to 18 percent.

Federal R&D obligations to universities and colleges

Trends



By agency



^aThe GNP implicit price deflator was used to convert from current to constant dollars.
SOURCE: National Science Foundation

FIELD OF SCIENCE

Within the academic sector, the life sciences continue to be the largest area of R&D activity. Proportional support to the life sciences remained relatively constant at 48 percent from 1971 to 1972, although the dollar investment in this field increased by 21 percent (\$154 million) to \$896 million. Over 93 percent of the 1971-72 increase in life sciences support was provided by HEW which funds nearly four-fifths of the research in this field.

The physical sciences, second among major fields in R&D funding, received \$279 million during 1972—\$8 million more than in 1971. Because funding of other fields grew more rapidly in this period, the relative support level of the physical sciences fell from 17 percent to 15 percent. Reduced growth in this area can be attributed mainly to a decline in DOD support which partially offset the sizable gain in NSF funds. Included in the 1972 NSF increase are funds for the National Magnet Laboratory at MIT, formerly funded by DOD.

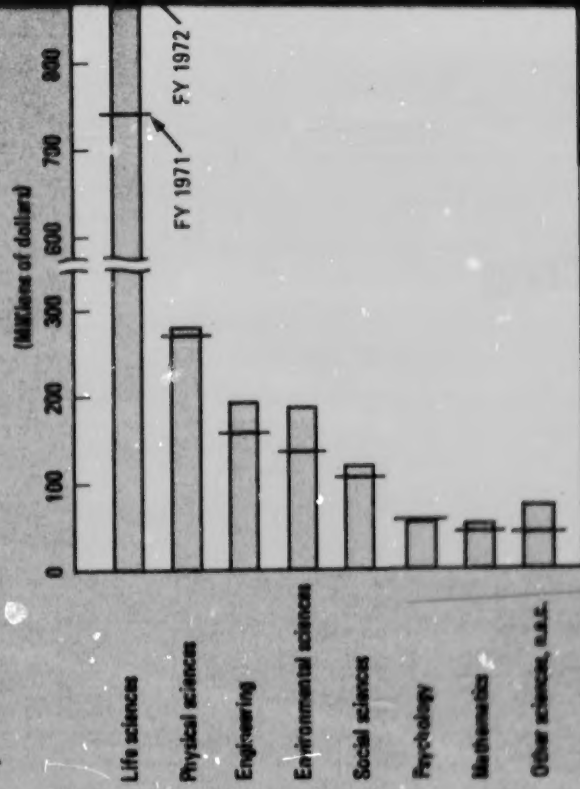
The level of Federal research support in engineering increased from \$158 million in 1971 to \$193 million in 1972. The National Science Foundation evidenced a two-fold increase in engineering funds and accounted for four-fifths of the 1972 gain in engineering support. NSF's higher support level reflects the transfer of 12 Materials Research Laboratories from DOD to the Foundation. Prior to the transfer in 1972, funds for these laboratories had been classified primarily under the physical sciences.

The environmental sciences reflected the largest relative gain from 1971 to 1972, rising by one-third to a level of \$187 million. Increased dollar support in 1972 came primarily from NSF which awarded \$77 million for the support of projects in this field. Two-thirds of NSF's \$33 million increase was directed to expanded research efforts in oceanography.

Obligations to the social sciences amounted to 6 percent of the academic R&D total in 1972, nearly the same proportion as in the previous fiscal year. Both HEW and NSF, the leading sources of support in this field, contributed to the \$14 million increase in social sciences R&D funds.

Psychology and mathematics each represented 3 percent of the R&D total in 1972. While R&D support for mathematics rose by \$9 million, or 21 percent, psychology support dropped by \$1 million. Psychology was the only major field to show a decline during 1972.

Federal R&D obligations to universities and colleges, by field of science



SOURCE: National Science Foundation

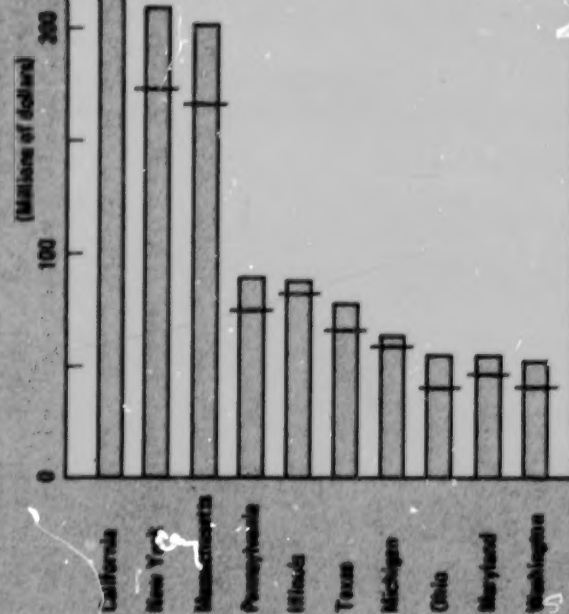
GEOGRAPHIC DISTRIBUTION

The 10 States leading in academic R&D support received \$1,135 million in 1972—62 percent of total funds. Each State within the leading-10 group evidenced a gain from 1971 to 1972 and together these 10 States accounted for over three-fifths of the overall funding increase in 1972.

Eight of the 10 highest-ranking States in 1972 were among the 10 leaders in the previous year. Ohio, which re-entered the leading group in 1972, showed the largest relative increase in Federal R&D funds, rising by one-third to \$54 million in 1972. Washington, which registered a 31-percent increase from 1971 to 1972 (the second largest gain), ranked among the 10 leaders for the first time.

Since 1963, when this statistical series began, California, New York, and Massachusetts have retained the three leading positions. In 1972, however, Pennsylvania replaced Illinois for the first time as the fourth-ranking State. In 1972 R&D obligations to academic institutions in Pennsylvania increased by 17 percent, while funds to schools in Illinois rose by less than 7 percent, the smallest increase among the leading 10 States.

Federal R&D obligations to universities and colleges in the 10 States receiving the largest amounts



SOURCE: National Science Foundation

INSTITUTIONAL DISTRIBUTION

Of the 2,413 institutions of higher education receiving Federal funds in 1972, one out of every four—637 institutions—received support for research and development. The 637 institutions performing federally supported research and development in 1972 represent an increase of 70 over the number in 1971, the first increase in the R&D recipient population since 1968.

In 1971 Federal support for R&D activities was provided to 234 Ph.D. degree-awarding institutions, 13 more than the number of Ph.D.-granting recipients in 1971. On the other hand, between 1971 and 1972 R&D recipients not awarding the Ph.D. increased by 57, indicating that institutions awarding science and engineering degrees below the doctoral level are participating to a greater extent in Federal research programs.

Ninety-four percent, or \$1,751 million, of the Federal total for academically based research and development was awarded to institutions granting Ph.D. degrees in the sciences and engineering. These same 234 Ph.D.-granting institutions also accounted for 94 percent of the 1971-72 increase in Federal R&D funds.

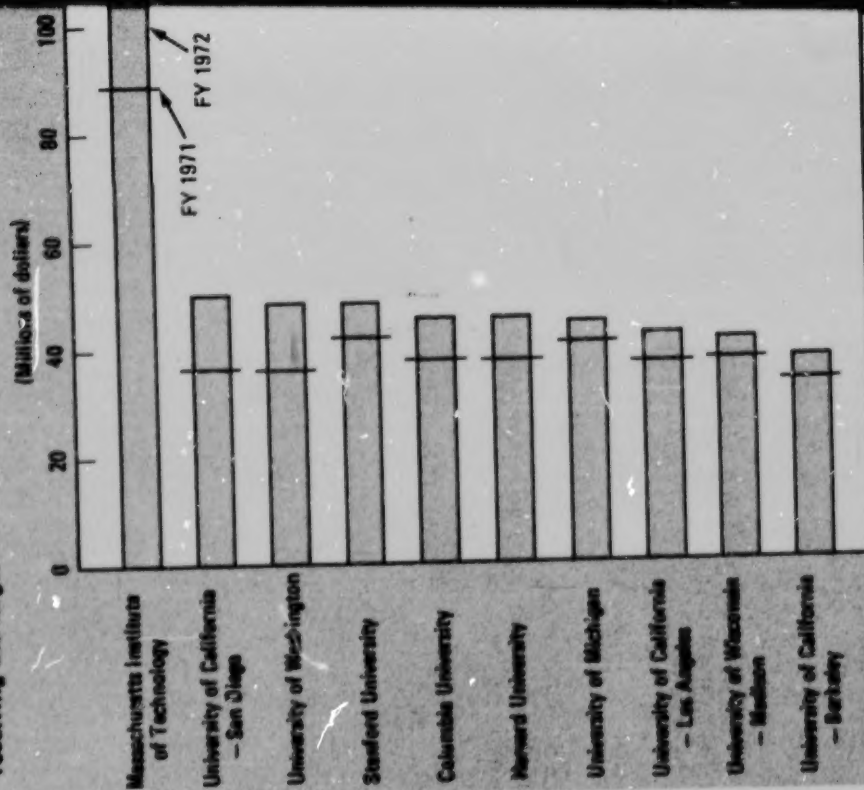
In both 1971 and 1972 the same 10 institutions comprised the group of 10 leading R&D recipients. In 1972, as in 1971, 27 percent of the academic R&D total was allocated to the first 10 institutions.

Each of the leading 10 recipients shared in the overall 1972 increase in R&D funding and together they accounted for 27 percent of the total gain during 1972. Within this group dollar increases ranged from \$16 million for MIT to less than \$4 million for the University of Michigan.

During 1972 Federal agencies awarded a total of \$105 million to the leading research performer, MIT, and in 1972 MIT became the first university to receive over \$100 million in R&D funds. Three-fourths of the 1972 increase in MIT funds came from DOD.

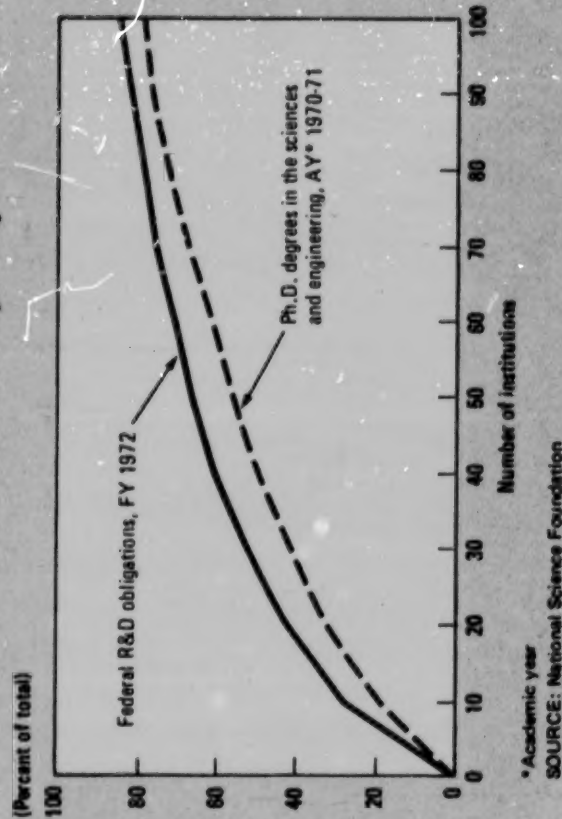
The University of California at San Diego and the University of Washington, ranking second and third, registered the largest relative gains in this period, increasing by 37 percent and 34 percent, respectively. While NSF was the primary contributor to the rise in R&D obligations to the University of California, increased HEW funding brought the University of Washington to a higher support level in 1972.

Federal R&D obligations to the 10 universities receiving the largest amounts



SOURCE: National Science Foundation

Distribution of Federal R&D obligations to the 100 universities and colleges receiving the largest amounts compared to Ph.D. degrees awarded in the sciences and engineering

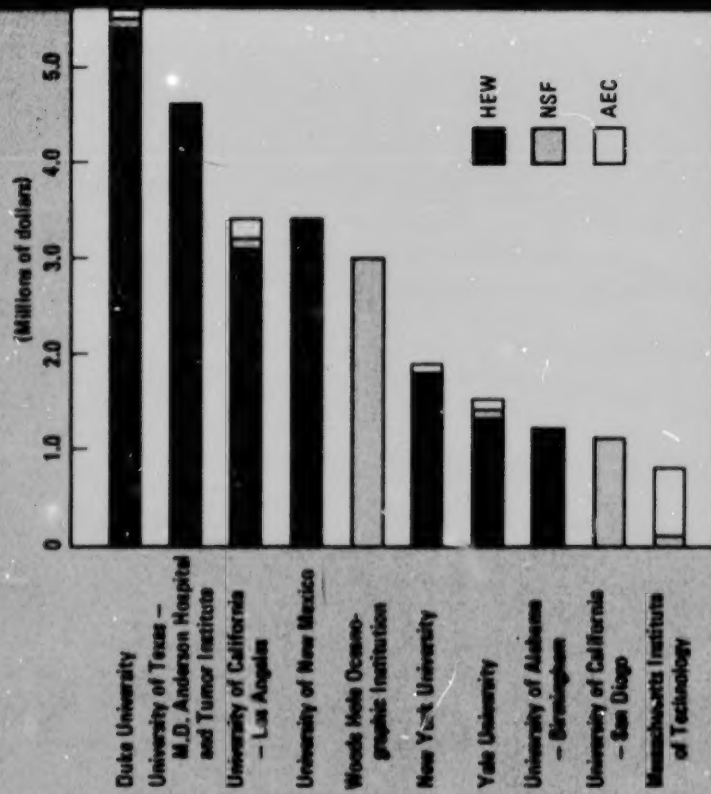


R&D Plant

During 1972 Federal agencies awarded \$37 million to academic institutions for R&D facilities and equipment, an increase of \$7 million over amount provided in 1971. This marks the first increase in this category since 1965. Virtually all of the 1972 gain resulted from increased funding on the part of HEW for a new construction grant program initiated in 1972 by the National Cancer Institute (NCI). NCI awards for the construction of cancer research facilities totaled \$22 million in 1972, accounting for 60 percent of 1972 academic R&D plant funds. Seven of the nine NCI grant recipients were within the group of 10 leading R&D plant recipients. Duke University, the largest NCI recipient, received \$5.4 million for construction of a five-story basic cancer research facility and an animal laboratory isolation facility.

Other sources of Federal R&D plant support in 1972 were NSF, \$4 million; AEC, \$4 million; and NASA, \$575,000.

Federal obligations for R&D plant to the 10 universities and colleges receiving the largest amounts, FY 1972



SOURCE: National Science Foundation

When compared with doctorates awarded in the sciences and engineering, Federal academic research funds show a somewhat greater concentration. In 1972 the 100 leading universities and colleges in terms of R&D funds received 85 percent of the Federal academic R&D total, but granted less than 80 percent of all the Ph.D. degrees awarded in science and engineering during 1970-71. For the first 10 institutions, the variance was even greater: these 10 institutions accounted for 27 percent of the R&D funding total, while awarding only 19 percent of the degrees.

The concentration of both R&D obligations and Ph.D. degrees within the group of 100 leading recipient institutions continued to lessen. The 100 highest-ranking R&D institutions received 85 percent of the funds in 1972, compared to 86 percent in 1971, and 88 percent in 1967. A similar trend characterized the degree-distribution pattern during this period. In 1967 the 100 institutions accounted for 90 percent of the science doctorates, but by 1971 this proportion had declined to 82 percent and was 80 percent in 1972.

Section 2. SCIENCE EDUCATION ACTIVITIES

Within the context of science education is a broad spectrum of activities ranging from comprehensive and flexible general-support programs which are designed to improve overall institutional capabilities in science education and research to categorical programs which include (1) the advanced training of individuals through fellowships and traineeships; (2) the improvement of science instruction at all educational levels by upgrading curricular materials, methods of teaching, and the education of teachers; and (3) the provision of modern instructional facilities and equipment. Also, research conducted in the Nation's universities and colleges is in itself an integral part of the science education process in that it is a major source of new and innovative ideas and, at the same time, it provides training experience for future scientists and engineers.

This section of the report provides funding information for those science education activities that are classified separately in this reporting system. These include fellowships, traineeships, and training grants; general support for science; and facilities and equipment for instruction in science and engineering.

Fellowships, Traineeships, and Training Grants

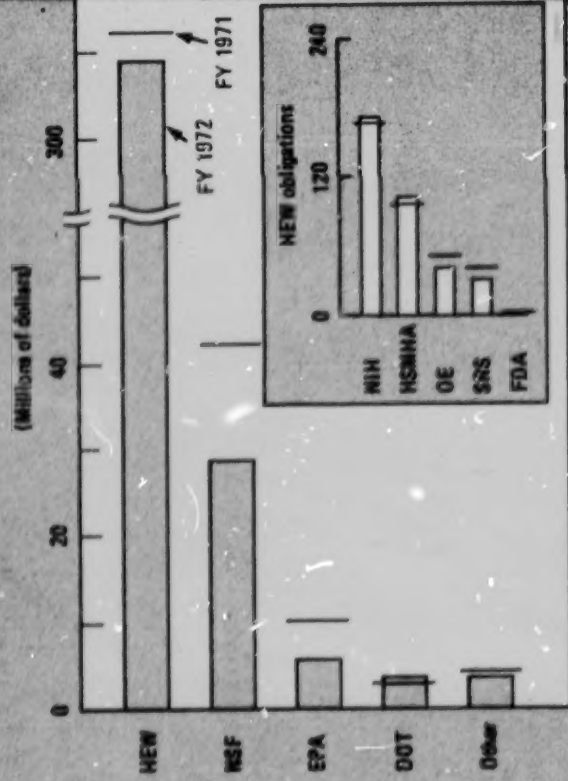
Through direct support mechanisms as fellowships, traineeships, and training grants the Federal Government annually assists a significant number of individuals pursuing advanced training in the sciences and engineering. During fiscal year 1972 Federal agencies provided a total of \$388 million for such activities, \$33 million less than in 1971. This 1971-72 drop was the largest in the 1969-72 period. The retrenchment in support for graduate education can be attributed in part to the initiation of a government policy to reduce the Federal role in graduate training and to shift to some extent the funding mechanism from that of direct support through fellowships and traineeships to indirect support through employment on research projects.

The effect of the downward funding trend on graduate student enrollment patterns in the sciences is reflected in data from an NSF survey¹ which showed that in the 1971-72 period the number of federally supported full-time graduate students declined by 10 percent. It should be noted that overall graduate science enrollment dropped by less than 2 percent, reflecting increases in the number of institutional² supported students and self-supported students which partially offset the decrease in students supported through Federal programs.

AGENCY DISTRIBUTION

Federal obligations for training in the sciences are provided primarily through the activities of the Department of Health, Education, and Welfare. In 1972 HEW funds for fellowship and training grant programs amounted to \$347 million, nearly 90 percent of the Federal training total. HEW's 1972 programs represented an increase of 4 percentage points over the share shown prior three years. Although HEW experienced an overall loss in 1972 million, the two largest supporting agencies within the Department, the National Institutes of Health at \$171 million and the Health Services and Health Administration at \$104 million, registered respective gains of \$12 million and \$5 million. By comparison, funds for OE programs were reduced by \$12 million during 1972 to a level of \$41 million, and those of the Social Rehabilitation Service by \$10 million to \$30 million.

Federal obligations to universities and colleges for fellowships, traineeships, and training grants, by agency



SOURCE: National Science Foundation

¹ National Science Foundation, Graduate Science Education: Student Support and Postdoctorals, Fall 1972 (NSF 73-315) (Washington, D.C. 20402: Supt. of Documents, U.S. Government Printing Office), 1974.

NSF reduced its level of support from \$42 million in 1971 to \$29 million in 1972, a continuation of the declining trend that became evident in 1970 when the phaseout of the Foundation's Graduate Traineeship Program was begun. Also contributing to the decline in NSF funding was the reduction in the number of fellowship awards.

Of the other five agencies sponsoring academic science training programs, only two—the Environmental Protection Agency (EPA) and the Department of Transportation (DOT)—showed a significant change in support levels between 1971 and 1972.

The fellowship and training grant program of EPA dropped by nearly one-half to \$6 million during 1972, the largest relative decline among the seven agencies reporting funds for scientific manpower programs.

On the other hand, DOT posted a 22 percent, or \$600,000, gain in training funds.

FIELD OF SCIENCE

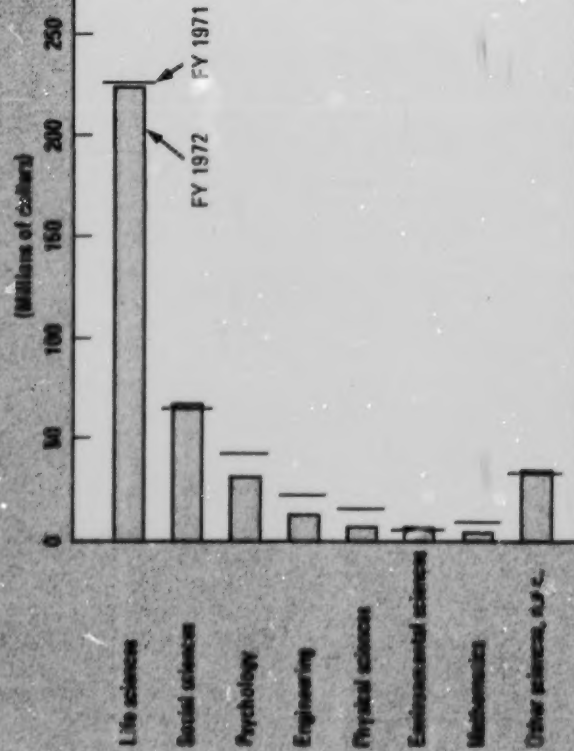
Three out of every five dollars obligated by Federal agencies in 1972 for academic science training activities supported programs in the life sciences. This intensive concentration, nearly 10 percentage points higher than the R&D effort in the life sciences, reflects primarily the substantial investment of NIH in biomedical training programs. Between 1971 and 1972 the level of support in the life sciences remained relatively stable, declining by less than 1 percent.

Of the other six major fields of science, four showed a decline in Federal training funds during the 1971-72 period; while two, the social sciences and the environmental sciences, registered small gains.

The fields which evidenced the greatest relative losses in fellowships and training grant obligations were the physical sciences and mathematics with declines of 60 percent and 58 percent, respectively.

As a result of the substantial reduction in NSF training obligations during 1971, there were significant shifts in the relative field-support levels. From 1971 to 1972 the life sciences increased their share of total training funds by 4 percentage points. At the same time there was a corresponding decrease of 4 percentage points in the combined share of the physical sciences and engineering.

Federal obligations to universities and colleges for fellowships, traineeships, and training grants, by field of science



SOURCE: National Science Foundation

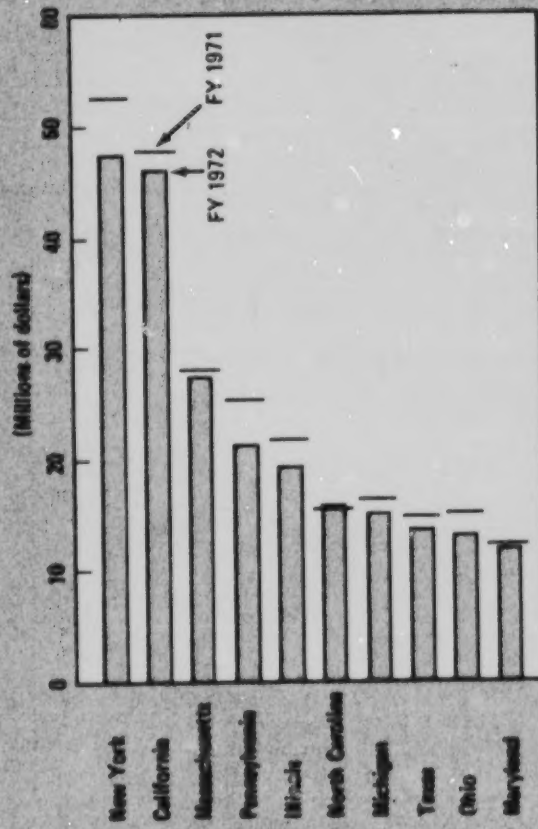
GEOGRAPHIC DISTRIBUTION

Of the Federal total for fellowships, traineeships, and training grants, 59 percent was concentrated in the 10 leading States in 1972. With the exception of Maryland, which was 11th in 1970, each of these States has ranked within the first 10 since 1969. Throughout the 1969-72 period, although there have been fluctuations in their relative positions, the leading 10 States have accounted for virtually the same share of total Federal training funds.

In actual dollars, each State within this group either showed a loss or remained relatively level from 1971 to 1972. Support to institutions in the major recipient State, New York, fell by \$5 million to a level of \$47 million. This was the largest State decline, of which 60 percent can be attributed to a decrease in HEW support.

Only in three States—California, Massachusetts, and Maryland—was the 1972 decline a direct result of reduced NSF support. These three States—each with overall reductions of less than 4 percent—were also the only States to evidence a decline in training funds below the national average of 8 percent.

Federal obligations to universities and colleges for fellowships, traineeships, and training grants in the 10 States receiving the largest amounts



SOURCE: National Science Foundation

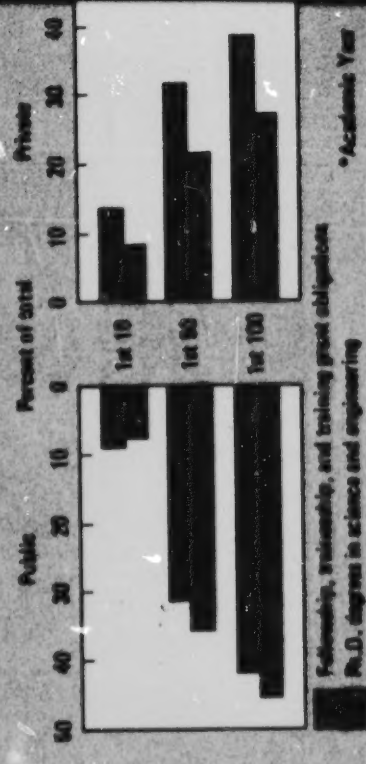
INSTITUTIONAL DISTRIBUTION

During 1972 a total of 797 universities and colleges received funds federally supported training programs, two more than the number during the previous year. In 1972 as in 1971, 81 percent of the Federal fellowships, traineeships and training grants was allocated to the highest-ranking institutions.

Within the first-100 group, training obligations to both public and private institutions declined from 1971 to 1972; however, the rate of decline was greater for the publicly controlled institutions. Support to public controlled institutions in the first 100 declined by 11 percent, while private controlled institutions evidenced only a 4-percent reduction in funds. The result was a shift in their proportionate support levels. The share represented by publicly controlled institutions in the first 100 declined from 54 percent in 1971 to 52 percent in 1972. At the same time, the private institution share increased by 2 percentage points to 48 percent.

Although public institutions predominated in terms of total training funds and funds to the first 100, private institutions evidenced higher support level among the first 10 universities and colleges. Institutions under private control accounted for over 60 percent of the awards to the first 10 recipients.

Federal obligations for fellowships, traineeships, and training grants to the 100 universities and colleges receiving the largest amounts, FY 1972, compared to Ph.D. degrees awarded in the sciences and engineering, AY* 1970-71, by type of control



Fellowship, traineeship, and training grant obligations
Ph.D. degrees in science and engineering

* Academic Year

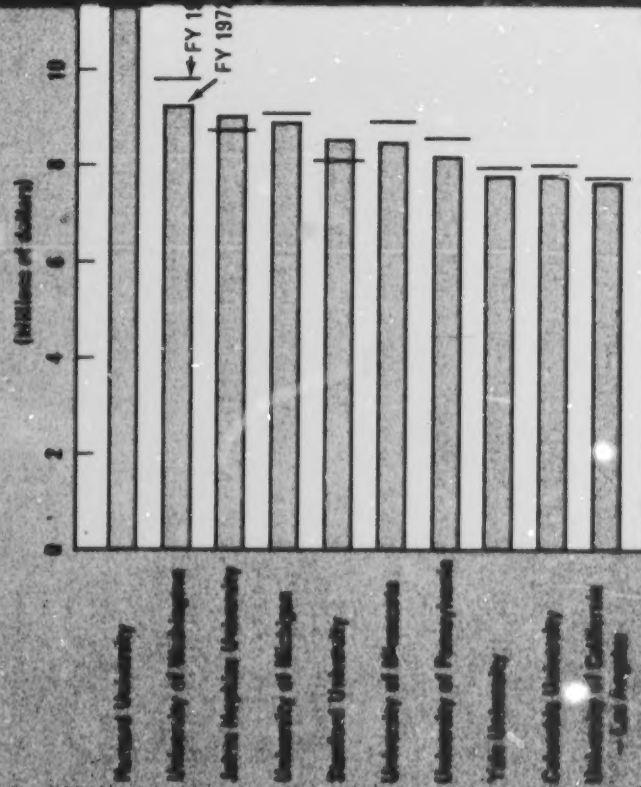
In relation to doctorate output in the sciences and engineering, privately controlled institutions show a greater concentration of Federal training support than publicly controlled institutions. In both the first-10 group and first-100 group, private institutions received about \$1,000 more per Ph.D. degree than public institutions.

Support levels for each of the first 10 recipients of Federal funds for fellowships, traineeships, and training grants were within 6 percent of the 1971 total. Three of the leading 10 institutions showed increased support from 1971 to 1972. The largest relative gain in 1972 was 5 percent received by fifth-ranked Stanford University. In contrast, NSF support to Stanford fell by \$381,000, the largest decline in NSF funding. Also registering increases in this group were Harvard University and Johns Hopkins University, each with a gain of 3 percent.

The major decline in the leading-10 group was evidenced by the University of Washington which showed a 6-percent drop in training funds between 1971 and 1972.

Although nine of the 10 institutions leading in total Federal fellowship and traineeship support were among the leading 10 in terms of HEW support, only four of the Foundation's leading recipients were among the first 10 recipients in total training support. Moreover, the two leading NSF recipients were not among the 10 overall leaders. Ranking first in terms of NSF support with \$1.6 million was MIT, followed by the University of California at Berkeley, Harvard University, and Stanford University, each of which received about \$1.3 million. These were the only four institutions to receive over \$1 million in NSF support.

Federal obligations for fellowships, traineeships, and training grants to the 10 universities receiving the largest amounts



SOURCE: National Science Foundation

General Support for Science

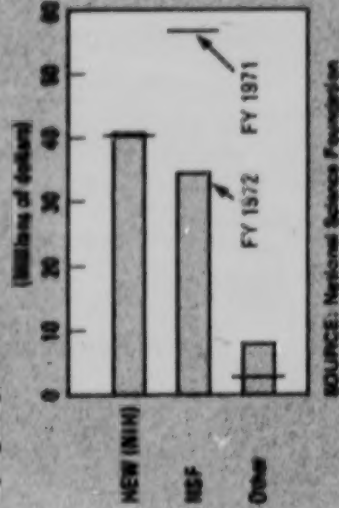
In 1972 Federal funds to institutions of higher education for general support for science programs amounted to \$83 million. The 1972 level represented a \$16 million, or 16-percent decline in funds for these programs which provide comprehensive support to assist institutions in improving the quality and the extent of their programs for research and science education. The 1972 reduction reflects primarily the attenuation of NSF's institutional support program.

AGENCY DISTRIBUTION

Of the five agencies reporting funds for institutional resource programs, NIH and NSF continued to fund the largest shares, accounting for 49 percent and 42 percent, respectively, of the total. The 1972 NSF share, however, was substantially lower than in 1971 when it was 57 percent of the total.

During 1972 NIH obligations in this support category totaled \$41 million, virtually the same level as in 1971. Among the program activities currently funded under NIH's overall general research support program are the following: General research support grants; biomedical sciences support grants; health sciences advancement awards; and the minority schools biomedical support program which was initiated in 1972.

Federal obligations to universities and colleges for general support for science, by agency



SOURCE: National Science Foundation

Obligations by NSF for general support for science programs dropped from \$57 million in 1971 to \$35 million in 1972, a decrease of nearly 40 percent. This decline results from the phasing out of the Foundation's science development program as well as from a reduced level of funding for the institutional grants program.

The other three agencies, AID, Commerce, and Interior, together, obligated the remaining \$8 million with AID awarding the largest proportion, \$5 million.

INSTITUTIONAL DISTRIBUTION

In 1972 Federal agencies awarded general support for science funds to 692 institutions, 22 less than the number funded in 1971. While the number of institutions participating in NSF-sponsored programs declined by 32 to 657 in the 1971-72 period, NIH recipients increased by 42

from 161 to 203. In 1972 over 45 percent NSF grantees were awarded less than \$10,000, whereas all NIH recipients received over \$10,000. The wider dispersion of NSF obligations reflects the broadly based orientation of the Foundation's Institutional Grants for Science Program under which awards are made on a formula basis to all institutions of higher education receiving Federal research support (including Public Health Service funds) preceding year. By comparison, only professional schools (a more limited population) are eligible for General Research Support Grants, the largest component of the General Research Support Program.

Between 1971 and 1972 the number of universities and colleges receiving over \$1 million in general support for science funds declined one-half, from 22 to 11 institutions. The decline in the number of recipients in the size-class resulted primarily from the phasing out of NSF's Science Development Program in 1971, over three-fourths of the institutions were awarded under \$100,000.

Number of universities and colleges receiving Federal obligations for general support for science programs ranked by size of Federal program: fiscal year

(Dollars in thousands)

Size of Federal program	Total obligations		Institutions
	Amount	Percent distribution	
Total	\$82,522	100.0	682
\$1 million or more	17,061	20.7	11
\$500,000 to \$999,999	26,697	32.4	39
\$100,000 to \$499,999	28,063	34.0	114
Less than \$100,000	10,701	13.0	528

*Does not include \$766,000 reported under central office systems (central systems); these funds could not be tabulated by member institutions and, therefore, were excluded from this table.

SOURCE: National Science Foundation

Although NIH funds for general support programs were more heavily concentrated among the first 100 recipients than NSF funds, NSF evidenced a much greater concentration among the top 10 universities. These 10 institutions received 26 percent of NSF general support for science funds compared to 10 percent of NIH funds. The higher NSF concentration level among the leading 10 recipients reflects the fact that seven of the ten institutions in this group received sizable University Science Development (USD) awards from the Foundation. In 1972, NSF awarded 9 supplemental USD grants representing the final commitment of funds under this program which was terminated in 1971. Within the leading 10 group, the dollar value of the Foundation's USD grants ranged from \$1.6 million awarded to New York University to a \$650,000 award to Duke University. Duke University, ranking fourth in total general support obligations, was the leading NIH recipient with \$898,000 in NIH funds.

Facilities and Equipment for Instruction in Science and Engineering

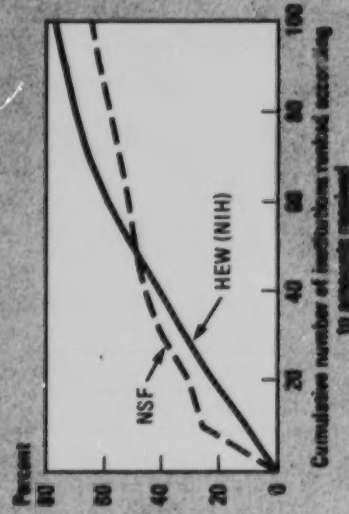
Of the remaining \$5 million in 1972 for educational equipment and facilities, \$3 million was obligated by the National Science Foundation. NSF's allocation funded grants under the Foundation's Instructional Science Equipment Program. This program provides matching grants to academic institutions for acquisition of laboratory equipment necessary for the effective implementation of newly developed undergraduate science courses. Under the program, 304 institutions were awarded grants in 1972. Federal City College received \$82,000 for instructional equipment grant, the largest NSF recipient.

Also funding instructional facilities and equipment projects were AEC and USDA, obligated \$2 million and \$0.5 million, respectively. 80 percent of AEC's total was directed to the University of Puerto Rico System Office for expansion and upgrading of facilities at the Puerto Rico Nuclear Center.

In 1972 Federal agencies provided a total of \$26 million to academic institutions for instructional science facilities and equipment. Of that amount, nearly 80 percent, or \$21 million, was awarded by OE, the only constituent agency within HEW reporting funds for this type of institutional assistance. OE's 1972 funding level represented a \$7 million, or 31-percent increase over that of 1971. Legislative authority for the instructional equipment and facilities grants administered by OE is derived from two sources: (1) Title I of the Higher Education Facilities Act of 1963, as amended, which authorizes grants and loans to undergraduate institutions (including community colleges and technical institutes) for the construction or improvement of academic facilities and, (2) Title VI-A of the Higher Education Act of 1965 which authorizes equipment grants to improve undergraduate instruction.

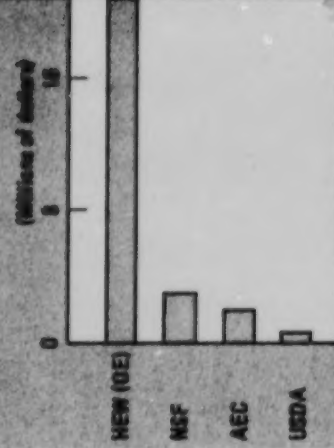
The 1972 total of \$21 million in OE instructional equipment and facilities support was distributed to 619 institutions, 213 more than the number of OE recipients in 1971. The wider institutional distribution in 1972 reflects a higher facilities appropriations level. During 1972, the dollar value of individual OE grants in this support category ranged from \$515,000 awarded to SUNY College at Old Westbury to less than \$1,000 at a number of institutions.

Concentration of HEW (NIH) and NSF obligations for general support for science among the 100 universities and colleges receiving the largest amounts, FY 1972



SOURCE: National Science Foundation

Federal obligation to universities and colleges for facilities and equipment in science and engineering, FY 1972



SOURCE: National Science Foundation

Section 3. FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS ADMINISTERED BY UNIVERSITIES AND COLLEGES

Federally Funded Research and Development Centers (FFRDC's) included in this section of the report are university-managed organizations established to meet a particular R&D need of a Federal agency.¹ Thirty-one centers received \$1,077 million from six Federal agencies in 1972—the first year in which Federal funding to this group of FFRDC's went over the \$1 billion level. From 1971-72 Federal support rose by \$81 million, or 8 percent—the largest yearly increase in the last decade.

The major gains in Federal funding were reported by DOD—\$50 million, or 34 percent, and NASA—\$36 million, or 21 percent. The primary source of FFRDC funding, AEC, reported a decline of \$18 million, or 3 percent, which dropped AEC's share of total Federal funding from 63 percent in 1971 to 57 percent in 1972.

¹ For a more detailed definition, see technical notes, p. 39.

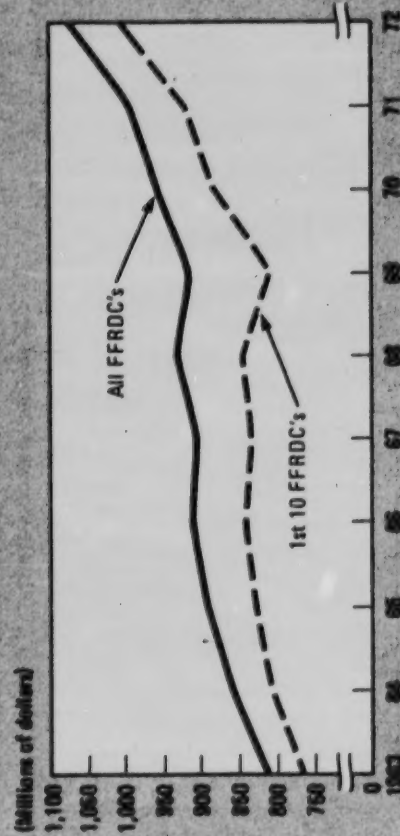
Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, by agency and type of program, fiscal year 1972

(Dollars in thousands)

Agency	Total Federal obligations	Research and development	R&D plant	Fellowships, traineeships, and training grants
Total, all agencies	\$1,076,653	\$936,588	\$133,318	\$2,740
Atomic Energy Commission	609,031	477,197	126,461	1,522
Department of Defense, total	198,959	198,959	—	—
Army	517	517	—	—
Navy	119,598	119,598	—	—
Air Force	78,844	78,844	—	—
Department of Health, Education, and Welfare, total	9,478	9,159	—	268
National Institutes of Health	1,000	681	—	268
Office of Education	8,474	8,474	—	—
Food and Drug Administration	4	4	—	—
National Aeronautics and Space Administration	211,295	208,225	2,070	—
National Science Foundation	41,811	35,969	4,787	950
Department of Transportation	6,079	6,079	—	—

SOURCE: National Science Foundation

Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges



SOURCE: National Science Foundation

The 1971-72 changes in agency funding levels may be traced principally to four FFRDC's. NASA's Jet Propulsion Laboratory (JPL), the leading recipient in 1972 with \$215 million, was up \$41 million. DOD's Applied Physics Laboratory (Johns Hopkins University) and Lincoln Laboratory increased \$38 million and \$12 million, respectively, while AEC's National Accelerator Laboratory fell by \$24 million.

Approximately 90 percent of the JPL increase resulted from planned funding buildups by NASA for three programs: (1) Mariner-Venus-Mercury '73; (2) Mariner-Jupiter-Saturn '77; and (3) the Viking Orbiter.

While R&D support went up by \$130 million, or 16 percent, from 1971-72, R&D plant fell by some \$51 million, or 28 percent. The opposite changes in funding levels for these two types of activity may be partially explained by two major factors: (1) as construction of the largest proton synchrotron in the

United States, the National Accelerator Laboratory, neared completion in 1972, R&D plant funding to this facility fell from a high of \$85 million to \$56 million in 1972; (2) NASA and DOD, which together accounted for \$100 million in total FFRDC funding in 1972 and for two-thirds of the total R&D increase, reported only one-half of 1 percent (\$2 million) of the 1972 funding in the R&D plant category.

The recent trend toward greater concentration of funding among leading 10 FFRDC's continued in 1972.² The share of total support accounted for by the leading 10 FFRDC's has increased from 88 percent in 1964 to 94 percent—the highest level since 1964. Over the last three years the amount of funds going to the first 10 FFRDC's increased by 24 percent (\$193 million) compared to a 31-percent decline (\$33 million) for all other FFRDC's.

² For the purpose of this comparison, the 1972 data for the Lawrence Laboratories (Berkeley and more) were summed and counted as one institutional total.

Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, by State, institution, and type of program: fiscal year 1972

[Dollars in thousands]

State and institution	Agency	Total Federal obligations	Research and development	R&D plant	Fellowships, traineeships, & training grants	Other science activities	Administered by-
Arizona:							
Total		\$1,076,653	\$936,588	\$133,318	\$2,740	\$4,007	
Cerro Tololo Inter-American Observatory	NSF	2,500	2,096	404	.....	.....	Association of Universities for Astronomy, Inc.
Kitt Peak National Observatory	NSF	7,700	7,155	545	.....	.....	Association of Universities for Astronomy, Inc.
California:							
Center for Research and Development in Higher Education	HEW(OE)	880	880	.....	.....	.....	University of California
Center for the Study of the Evaluation of Instructional Programs	HEW(OE)	686	686	.....	.....	.....	University of California
Jet Propulsion Laboratory, total	NASA	214,718	212,648	2,070	.....	.....	California Institute of Technology
.....	DOT	(210,655)	(208,585)	(2,070)	.....	.....	
.....		(4,063)	(4,063)	13,032	.....	.....	
Lawrence Berkeley Laboratory, total	AEC	49,136	35,995	13,032	17	92	University of California
.....	NSF	(49,123)	(35,995)	(13,032)	(17)	(79)	
.....		(13)	.....	.....	.....	(13)	
Lawrence Livermore Laboratory, total	AEC	134,661	127,826	6,723	112	.....	
.....	NSF	(134,549)	(127,826)	(6,723)	(77)	.....	
.....	HEW(NIH)	(35)	.....	.....	(35)	.....	
Stanford Center for Research and Development in Teaching	HEW(OE)	1,114	1,114	.....	.....	.....	Stanford University
Stanford Linear Accelerator Center	AEC	28,795	24,063	4,712	.....	.....	Stanford University

**Federal obligations to Federally Funded Research and Development Centers administered
by universities and colleges: fiscal year 1972—Con.**

[Dollars in thousands]

State and institution	Agency	Total Federal obligations	Research and development	R&D plant	Fellowships, traineeships, & training grants	Other science activities	Administered by-
Colorado: National Center for Atmospheric Research, total	NSF	18,926 (18,226)	17,677 (16,977)	1,200 (1,200)	49 (49)	.....	University Corporation Atmospheric Research
Illinois: Argonne National Laboratory, total	AEC	113,115 (112,695)	96,878 (96,864)	13,484 (13,484)	1,364 (958)	1,389 (1,389)	University of Chicago
National Accelerator Laboratory, total	NSF	69,747 (69,717)	13,504 (13,504)	56,213 (56,213)	(406)	30	Argonne Universities Association
Iowa: Ames Laboratory, total	AEC	7,625 (7,562)	6,725 (6,725)	837 (837)	63	(30)	University Research Association
Maryland: Applied Physics Laboratory, total	NSF	100,691 (98,619)	100,677 (98,619)	.....	14	.....	Iowa State University Science and Technology
Center for the Study of Social Organization of Schools and the Learning Process	DOD (Navy)	.....	.....	.....	.....	.....	Johns Hopkins University
Massachusetts: Cambridge Electron Accelerator	NSF	(92)	(78)	.....	(14)	.....	.....
Lincoln Laboratory, total	HEW (FDA)	(4)	(4)	.....	.....	.....	.....
New Jersey: Plasma Physics Laboratory	HEW (OE)	650	650	.....	.....	.....	Johns Hopkins University
New Mexico: Los Alamos Scientific Laboratory, total	AEC	2,724 80,851 (78,709)	2,234 80,851 (78,709)	490	.....	.....	Harvard University Massachusetts Institute Technology
New York: Brookhaven National Laboratory, total	DOD (Air Force)	(1,825)	(1,825)	.....	.....	.....	.....
.....	NASA	(317)	(317)	.....	.....	.....	.....
.....	AEC	8,240	7,970	270	.....	.....	Princeton University
.....	AEC	128,628 (128,249)	107,263 (107,024)	21,037 (21,037)	140	188 (188)	University of California
.....	NSF	(379)	(239)	.....	(140)	.....	.....
.....	AEC	63,802 (62,430)	53,646 (52,722)	9,575 (9,427)	378 (138)	203 (143)	Associated Universities
.....	NSF	(879)	(562)	(148)	(160)	(9)	.....
.....	HEW(NIH)	(453)	(322)	.....	(90)	(51)	.....
.....	DOT	(40)	(40)	.....	.....	.....	.....

**Federal obligations to Federally Funded Research and Development Centers administered
by universities and colleges: fiscal year 1972—Con.**

[Dollars in thousands]

State and institution	Agency	Total Federal obligations	Research and development	R&D plant	Fellowships, traineeships, & training grants	Other science activities	Administered by-
Oregon: Center for the Advanced Study of Educational Administration	HEW(OE)	681	681				University of Oregon
Pennsylvania: Learning Research and Development Center	HEW(OE)	1,811	1,811				University of Pittsburgh
Ordnance Research Laboratory	DOD(Navy)	8,003	8,003				Pennsylvania State University
Puerto Rico: National Astronomy and Ionosphere Center	NSF	4,688	2,278	2,410			Cornell University
Tennessee: Oak Ridge Associated Universities, total	AEC HEW(NIH) NSF	5,539 (4,947) (512) (80)	2,609 (2,250) (359)	236 (236)	589 (409) (153) (27)	2,105 (2,052) (53)	Oak Ridge Associated Universities
Texas: Research and Development Center in Teacher Education	HEW(OE)	805	805				University of Texas
Virginia: Center for Naval Analyses	DOD(Navy)	9,310	9,310				University of Rochester
Space Radiation Effects Laboratory	NASA	323	323				College of William and Mary
Washington: Applied Physics Laboratory, total	DOD(Navy) NSF	1,807 (1,793) (14)	1,793 (1,793)		14 (14)		University of Washington
West Virginia: National Radio Astronomy Observatory	NSF	6,650	6,570	80			Associated Universities
Wisconsin: Center for Research and Development for Learning and Re-education	HEW(OE)	1,837	1,837				University of Wisconsin

SOURCE: National Science Foundation.

**Federal obligations to Federally Funded Research and Development Centers administered
by universities and colleges: fiscal years 1963-72**

[Dollars in thousands]

State and Institution	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	Administered by
Arizona:											
Total	\$814,082	\$862,353	\$895,287	\$917,631	\$907,549	\$935,820	\$916,872	\$960,906	\$995,900	\$1,076,653	
Cerro Tololo Inter-American Observatory (Chile) ¹	1,100	1,100	1,465	1,471	1,713	2,325	4,550	1,900	2,200	2,500	Association of Universities Research in Astrophysics
Kitt Peak National Observa- tory ²	3,750	4,400	6,915	5,791	5,485	12,475	5,700	6,400	7,200	7,700	Association of Universities Research in Astrophysics
California:											
Center for Research and De- velopment in Higher Ed- ucation					849	1,459	938	879	718	890	University of California
Center for the Study of the Evaluation of Instruc- tional Programs					534	868	809	648	572	686	University of California
Jet Propulsion Laboratory ³	230,168	226,194	245,094	230,091	222,169	206,074	156,295	180,047	173,360	214,718	California Institute of Technology
Lawrence Laboratories ³	162,854	169,424	156,254	169,870	174,661	184,500	179,185	187,686	176,861	183,797	University of California
Stanford Center for Research and Development in Teaching					797	1,597	5,007	928	928	1,114	Stanford University
Stanford Linear Accelerator Center	16,193	24,122	43,943	50,969	30,891	28,996	31,001	27,051	29,046	28,795	Stanford University
Colorado:											
National Center for Atmos- pheric Research ¹	6,019	10,036	8,941	11,791	16,576	14,679	14,061	11,414	15,200	18,926	University Corporation for Atmospheric Research
District of Columbia:											
Center for Research in Social Systems ⁴	947	934	1,843	1,808	1,936	1,618	1,861	620			American University
Georgia:											
Research and Development Center in Educational Stimulation ⁴					732	1,294	809	339			University of Georgia
Illinois:											
Argonne National Labo- ratory ⁵	74,947	84,507	86,329	87,255	97,262	113,178	112,874	104,187	105,387	113,115	University of Chicago Argonne University Association
Coordination Center for the National Program in Early Childhood Education ⁶						1,562	1,723	473			University of Illinois
National Accelerator Labo- ratory ⁷						3,377	14,763	49,527	94,219	69,747	University Research Association
Iowa:											
Ames Laboratory	6,549	7,360	8,464	9,089	9,371	9,891	8,886	8,865	8,111	7,625	Iowa State University Science and Technology

**Federal obligations to Federally Funded Research and Development Centers administered
by universities and colleges: fiscal years 1963-72—Con.**

[Dollars in thousands]

State and Institution	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	Administered by
Maryland: Applied Physics Laboratory Center for the Study of Social Organization of Schools and the Learning Process	42,096	49,124	54,097	52,491	47,172	49,719	51,218	53,444	62,908	100,691	Johns Hopkins University
Massachusetts: Cambridge Electron Accelerator ^a	{ 5,946 2,632 }	5,717 3,424	5,851 3,792	6,130 3,517	{ 6,786 3,596 }	4,778	4,849	4,412	2,886	2,724	Johns Hopkins University
Center for Research and Development in Educational Differences ^a .....	.....	.....	.....	1,112	1,165	.....	.....	.....	.....	.....	Harvard University Massachusetts Institute Technology
Lincoln Laboratory	70,606	78,764	68,683	64,060	66,989	62,319	61,379	55,648	69,015	80,851	Harvard University Massachusetts Institute Technology
New Jersey: Plasma Physics Laboratory Princeton-Pennsylvania Accelerator ^a	7,542 { 6,224 881 }	8,268 5,500 1,790	6,997 7,521 1,982	6,556 8,825 1,801	6,572 7,971 1,775 }	7,446	7,796	7,680	8,211	8,240	Princeton University
New Mexico: Los Alamos Scientific Laboratory	93,020	97,680	94,636	103,311	102,213	109,387	114,698	140,914	130,716	128,628	Princeton University University of Pennsylvania
New York: Brookhaven National Laboratory ¹	59,180	58,619	63,564	64,407	64,160	66,814	74,995	72,660	65,614	63,802	University of California
Hudson Laboratory ^a	3,780	3,939	4,195	4,673	4,708	4,800	3,080	.....	.....	.....	Associated Universities Columbia University
Oregon: Center for the Advanced Study of Educational Administration .....	.....	509	534	663	676	590	519	596	485	681	University of Oregon
Pennsylvania: Learning Research and Development Center .....	.....	.....	754	642	1,309	1,465	7,083	1,465	1,509	1,811	University of Pittsburgh
Ordnance Research Laboratory	3,763	4,827	7,025	9,597	8,120	9,371	8,577	8,412	7,884	8,003	Pennsylvania State University
Puerto Rico: National Astronomy and Ionosphere Center ² .....	.....	.....	.....	.....	.....	.....	.....	2,106	5,800	4,686	Cornell University

**Federal obligations to Federally Funded Research and Development Centers administered
by universities and colleges: fiscal years 1963-72—Con.**

[Dollars in thousands]

State and Institution	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	Administered by
Tennessee:											
Oak Ridge Associated Universities ¹	4,291	5,059	5,695	6,168	5,620	4,770	5,276	5,179	5,138	5,539	Oak Ridge Associated Universities
Texas:											
Research and Development Center in Teacher Education					763	1,190	820	656	671	805	University of Texas
Virginia:											
Center for Naval Analyses						8,838	9,218	9,085	7,688	9,310	University of Rochester
Human Resources Research Organization ²	2,794	3,081	3,362	2,752	2,853	1,645	3,445				George Washington University
Space Radiation Effects Laboratory				729	1,815	586	1,213	865	1,371	323	College of William and Mary
Washington:											
Applied Physics Laboratory	3,200	2,275	2,178	5,145	2,856	3,192	3,205	2,682	1,957	1,807	University of Washington
West Virginia:											
National Radio Astronomy Observatory ³	4,550	4,600	3,380	4,719	5,062	4,865	7,278	5,800	6,400	6,650	Associated Universities, Inc.
Wisconsin:											
Army Mathematics Research Center ⁴	1,050	1,100	1,273	1,390	1,378	1,300	1,350	1,280			University of Wisconsin
Center for Research and Development for Learning and Re-education			500	808	1,034	1,688	5,330	1,298	1,503	1,837	University of Wisconsin

¹Figures for 1968-1972 were reported on a somewhat different basis than figures for 1963-67.

²This center (formerly known as Arecibo Observatory) became an FFRDC in 1970 when the National Science Foundation assumed responsibility for the support of the research programs of this institution.

³FFRDC status changed from "university administered" to "nonprofit administered" data for this institution are included in section 2.

⁴One of seven centers administered by university consortia.

⁵Includes sizable amounts subcontracted principally to industrial firms.

⁶For the purpose of trend analyses, the 1972 data for the Lawrence Livermore (Berkeley and Livermore) were summed.

⁷Phased out as an FFRDC in 1971.

⁸Administered by both university and consortium.

Part II

FEDERAL SUPPORT TO
SELECTED NONPROFIT
INSTITUTIONS

Section 1. FEDERAL SUPPORT TO INDEPENDENT RESEARCH INSTITUTIONS

This section of the report provides information on the allocation of Federal R&D funds to selected nonprofit institutions. Included in the survey universe for fiscal year 1972 were 85 nonprofit, research-performing organizations which were selected on the basis of their involvement in government-sponsored research and development.¹ Although each of these institutions operates autonomously, many maintain a close affiliation with academic institutions.

Initially established in the World War II period primarily to meet Federal scientific and technological requirements, these organizations have emerged as an important national asset and resource for research and development.

Agency Distribution

RESEARCH AND DEVELOPMENT

Government support for research and development performed by independent nonprofit research organizations reached \$228 million in 1972, nearly one-third higher than the 1971 amount. The 1972 support level reflects not only increases in the amounts awarded to individual institutions, but also an increase in the number of surveyed organizations—85 in 1972 as compared to 74 in 1971. The current expansion in dollars as well as in numbers of institutions meeting survey criteria evidences the growing importance of these organizations as performers of federally sponsored research and development.

Together, two agencies, DOD and HEW, awarded 80 percent of the 1972 nonprofit R&D total. Defense obligations to these selected research organizations rose by \$16 million to \$97 million in 1972, but continued to decline as a proportion of total agency funding. Between 1971 and 1972 the ratio of DOD support to the Federal nonprofit total dropped from 47 percent to 42 percent, 20 percentage points less than the 1969 high of 59 percent.

Within DOD, the Army, Navy, and Air Force posted gains during 1972 of 20 percent, 42 percent, and 24 percent, respectively, while the Defense agencies' funds declined by more than one-half, reflecting a reduction in the Advanced Research Projects Agency (ARPA) program.

Amounts obligated in 1972 by each of the military components:

	(Thousands of dollars)
Army	\$43,424
Navy	18,516
Air Force	32,461
Defense agencies	2,564

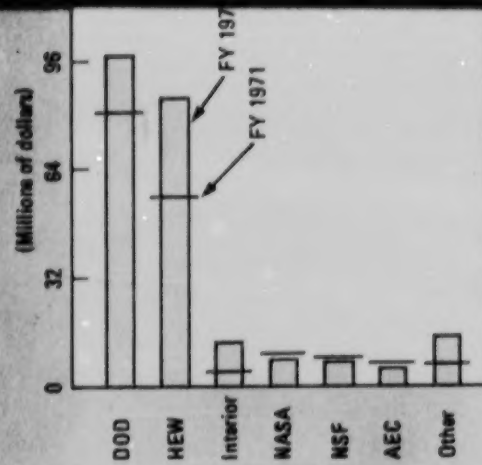
Obligations by the Department of Health, Education, and Welfare increased by more than 50 percent during 1972 to a level of \$85 million. HEW's 1972 gain of \$29 million was the largest dollar increase among the agencies. Over 87 percent (\$74 million) of the 1972 HEW total was in support of R&D activities sponsored by the National Institutes of Health. As in prior years, National Cancer Institute funds constituted nearly 50 percent of the NIH total.

Ranking third among the agencies in 1972 was the Department of the Interior with obligations to research institutions totaling \$13 million. Interior's 1972 support level represented a threefold increase over that in 1971. This significant gain reflects an acceleration in the funding of Interior's energy R&D programs.

The next three ranking agencies, NASA, AEC, each experienced reduced funding to research institutions in 1972. Of the three, NASA registered the largest decline in both relative and absolute terms with a \$2 million, or 20-percent drop.

The combined investment of the remaining eight agencies in research and development formed by nonprofit research institutions was \$14 million during 1972, an increase of 61 percent over their 1971 level. Although six of the agencies in this group evidenced gains during 1971-72 period, two, EPA and DOT, experienced decreases of \$4 million and \$3 million, respectively. The remaining two agencies accounted for most of the 1971-72 increase.

Federal R&D obligations to independent research institutions, by agency



SOURCE: National Science Foundation

¹ See technical notes, p. 39 for information on the definitions and concepts used in this section of the report.

**Federal obligations for research and development to independent research institutions, by
geographic division, State, institution, and agency: fiscal year 1972**

[Dollars in thousands]

Geographic division, State, and institution	Total	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation	Other
United States, total	\$228,194	\$351	\$5,289	\$765	\$96,965	\$85,136	\$12,668	\$7,470	\$6,803	\$12,7
New England, total	12,939		164		237	11,774			604	
Connecticut, total	1,452				75	994			223	
Center for the Environment and Man, Inc.	277								128	
Haskins Laboratories, Inc.	716				75	535			95	
John B. Pierce Foundation of Connecticut, Inc.	459					459				
Maine, total	2,027					1,860			53	
Jackson Laboratory	2,027		114			1,860			53	
Massachusetts, total	9,460		50		162	8,920			328	
Blood Research Institute, Inc.	119				30	89				
Boston Biomedical Research Institute	1,218					1,112			106	
Children's Cancer Research Foundation	2,591				112	2,404			75	
Education Development Center	452					452				
Forsyth Dental Center	1,694					1,694				
Marine Biological Laboratory	56					22			34	
Retina Foundation	809				20	744			45	
Worcester Foundation for Experimental Biology	2,521		50			2,403			68	
Middle Atlantic, total	70,533	33	621	537	34,158	21,290	7,377	687	2,601	3,2
New Jersey, total	2,772		86		36	2,650				
Institute for Advanced Study	122		86		36					
Institute for Medical Research	1,123					1,123				
Merck Institute for Therapeutic Research	1,527					1,527				
New York, total	46,406	33	500	237	30,039	11,107		670	1,841	1,9
Boyce Thompson Institute for Plant Research	635	33			53	222			203	1
Cold Spring Harbor Laboratory of Quantitative Biology	1,498					1,414			84	
Cornell Aeronautical Laboratory	21,566			38	19,209			670	37	
Hudson Institute, Inc.	437			50	312					
Institute for Medical Research and Studies	57					57				
Institute for Muscle Disease, Inc.	278					278				
National Bureau of Economic Research	1,484					186			1,135	
Public Health Research Institute of New York	2,058				49	1,740			269	
Riverside Research Institute	7,424			149	7,149	126			67	
Sloan-Kettering Institute for Cancer Research	6,973		500		3,204	6,406				
Syracuse University Research Corp.	3,270				63	61			46	
Trudeau Institute, Inc.	726					617				

Federal obligations for research and development to independent research institutions, by geographic division, State, institution, and agency: fiscal year 1972—Con.

[Dollars in thousands]

Geographic division, State, and institution	Total	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation	Other
Pennsylvania, total	21,355	.....	35	300	4,083	7,533	7,377	17	760	.....
American Institute for Research in the Behavioral Sciences	3,157	.....	.....	.....	2,555	577	.....	.....	.....	.....
Bituminous Coal Research Institute, Inc.	7,377	.....	.....	.....	.....	.....	7,377	.....	.....	.....
Franklin Institute	3,636	.....	14	300	970	787	.....	17	323	.....
Germantown Laboratories, Inc.	558	.....	.....	.....	558	.....	.....	.....	437	.....
Institute for Cancer Research	4,411	.....	21	.....	.....	3,953	.....	.....	.....	.....
Wistar Institute	2,216	.....	.....	.....	.....	2,216	.....	.....	.....	.....
East North Central, total	39,673	.....	1,787	60	22,570	4,337	5,085	3,587	570	.....
Illinois, total	21,179	.....	50	60	13,888	313	4,774	1,009	378	.....
Hektoen Institute for Medical Research	315	.....	.....	.....	95	220	.....	.....	.....	.....
IIT Research Institute	15,549	.....	50	60	13,714	.....	154	1,009	206	.....
Institute of Gas Technology	5,022	.....	.....	.....	79	.....	4,620	.....	.....	.....
Interscience Research Institute	93	.....	.....	.....	.....	93	.....	.....	.....	.....
National Opinion Research Center	200	.....	.....	.....	.....	.....	.....	.....	172	.....
Michigan, total	1,294	.....	.....	.....	.....	1,294	.....	.....	.....	.....
Child Research Center of Michigan	301	.....	.....	.....	.....	301	.....	.....	.....	.....
Michigan Cancer Foundation, Inc.	993	.....	.....	.....	.....	993	.....	.....	.....	.....
Ohio, total	17,035	.....	1,737	.....	8,660	2,577	311	2,578	192	.....
Battelle Memorial Institute	16,238	.....	1,737	.....	8,559	1,930	311	2,578	143	.....
Cox Heart Institute	138	.....	.....	.....	.....	138	.....	.....	.....	.....
Fels Research Institute	659	.....	.....	.....	101	509	.....	.....	49	.....
Wisconsin, total	165	.....	.....	.....	22	143	.....	.....	.....	.....
American Foundation for Biological Research	165	.....	.....	.....	22	143	.....	.....	.....	.....
West North Central, total	13,107	68	.....	.....	1,461	10,542	206	143	153	.....
Minnesota, total	8,621	.....	.....	.....	400	7,712	100	75	.....	.....
Mayo Foundation	7,637	.....	.....	.....	78	7,521	.....	38	.....	.....
North Star Research and Development Institute	984	.....	.....	.....	322	191	100	37	.....	.....
Missouri, total	4,486	68	.....	.....	1,061	2,830	106	68	153	.....
Cancer Research Center	455	.....	.....	.....	.....	399	.....	.....	56	.....
Central Institute for Deaf	442	.....	.....	.....	.....	442	.....	.....	.....	.....
Institute for Community Studies	350	.....	.....	.....	.....	350	.....	.....	.....	.....
Midwest Research Institute	3,239	68	.....	.....	1,061	1,639	106	68	97	.....

Federal obligations for research and development to independent research institutions, by geographic division, State, institution, and agency: fiscal year 1972—Con.

[Dollars in thousands]

Geographic division, State, and institution	Total	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation	Other
South Atlantic, total	16,015	40	15	74	1,128	9,464		630	1,226	3
District of Columbia, total	8,747		15		445	4,352		130	737	3
Arctic Institute of North America	317		15		194	31			77	
Brookings Institution	204					35			125	
Bureau of Social Science Research	600				51	49			34	
Carnegie Institution of Washington	223				23			130	70	
Gorgas Memorial Institute of Tropical and Preventive Medicine	1,464				101	1,357			6	
National Planning Association	884									
Research Foundation of Children's Hospital of Washington, D.C.	1,382				76	1,306			425	1
The Urban Institute	3,673					1,575				
Maryland, total	2,246				76	2,170				
Eye Research Foundation of Bethesda	337				76	261				
Friends of Psychiatric Research	988					988				
Institute for Behavioral Research	644					644				
National Biomedical Research Foundation	277					277				
North Carolina, total	3,594	40		74	607	1,949		500	133	
Research Triangle Institute	3,594	40		74	607	1,949		500	133	
Georgia, total	380								301	
Skidaway Institute of Oceanography	380								301	
Florida, total	1,048					993			55	
Leo Godwin Institute for Cancer Research	433					433				
Papanicolaou Cancer Research Institute	615					560			55	
East South Central, total	5,923				1,366	4,421		29		
Alabama, total	5,923				1,366	4,421		29		
Southern Research Institute	5,923				1,366	4,421		29		
West South Central, total	12,658	136	69		6,249	4,525		318	42	1
Louisiana, total	1,132	33				1,080				
Gulf South Research Institute	1,132	33				1,080				
Oklahoma, total	1,793				193	1,590			20	
Oklahoma Medical Research Foundation	1,793				193	1,590			20	
Texas, total	9,733	103	69		6,056	1,865		318	22	1
Southwest Foundation for Research and Education	1,698				85	1,591			22	

Federal obligations for research and development to independent research institutions, by geographic division, State, institution, and agency: fiscal year 1972—Con.

[Dollars in thousands]

Geographic division, State, and institution	Total	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation	Other
Southwest Research Institute	8,035	103	69		5,971	274		318		1
Mountain, total	3,360		2,116		551	41		550	102	
Arizona, total	532							430	102	
Lowell Observatory	532							430	102	
New Mexico, total	2,828		2,116		551	41		120		
Lovelace Foundation for Medical Education	2,828		2,116		551	41		120		
Pacific, total	53,986	74	517	94	29,245	18,752		1,526	1,505	2
California, total	48,985	74	242	94	29,198	14,197		1,526	1,391	2
Center for Advanced Studies in the Behavioral Sciences	93								93	
Institute of Medical Sciences	2,294					2,294				
Palo Alto Medical Research Foundation	456					456				
Salk Institute for Biological Studies	2,451				2	2,013		86	348	
Scripps Clinic and Research Foundation	3,329		145		91	2,965			128	
Stanford Research Institute	40,134	74	97	94	29,105	6,241		1,438	812	2
Western Behavioral Sciences Institute	228					226				
Oregon, total	4,117				29	3,964			124	
Medical Research Foundation of Oregon	3,254				29	3,205			124	
Oregon Research Institute	863					759				
Washington, total	864		275		18	591				
Hanford Environmental Health Foundation	172		172							
Pacific Northwest Research Foundation	392		103			289				
Virginia Mason Foundation for Medical Education and Research	320				18	302				

* Includes AID, EPA, HUD, Labor, OEO, and DOT.

SOURCE: National Science Foundation

R&D PLANT

During 1972 obligations to nonprofit research institutions for R&D plant showed a substantial dollar increase, rising from less than \$500,000 in 1971 to over \$13 million in 1972. This increase resulted from \$13 million in new R&D plant program funds from HEW. These funds represent construction grant awards by the National Cancer Institute for the expansion of cancer research facilities.

The two other agencies funding R&D plant programs within this sector in 1972 were AEC and NASA with respective obligations of \$176,000 and \$111,000. Both reported lower R&D plant support levels during 1972.

Institutional Distribution

The 20 leading research institutes accounted for 76 percent of the nonprofit R&D obligations during 1972. Within the leading 20 group, DOD evidenced a much greater support concentration than HEW. Ninety-seven percent of DOD's nonprofit total was allocated to first 20 institutions, whereas HEW awarded only 51 percent of its total to this group. Among the leading five, there was an even higher concentration of DOD with these five institutions receiving nearly four-fifths of DOD funds, as compared with 10 percent of HEW funds.

In 1972 the leading five nonprofit institutions received a total of \$106 million, three times the amount obligated to the next five ranking institutions. The first three recipients—Stanford Research Institute (SRI), Cornell Aeronautical Laboratory (CAL), and Battelle Memorial Institute—reduced their combined share of total nonprofit funding from 42 percent in 1971 to 34

Federal obligations for R&D plant to independent research institutions, by geographic division, State, institution, and agency: fiscal year 1972

(Dollars in Thousands)				
Geographic division, State, and institution	Total	Atomic Energy Comm.	Dept. of Health, Educ., and Welfare (NIH)	National Science Fdn.
United States, total	\$13,145	\$176	\$12,859	\$111
New England, total	6,654		6,400	54
Connecticut, total	54			54
Haskins Laboratories, Inc.	54		6,400	54
Massachusetts, total	6,400			
Children's Cancer Research Foundation	6,000		6,000	
Worcester Foundation for Experimental Biology	400		400	
Middle Atlantic, total	3,371		3,371	
New York, total	342		342	
Trudeau Institute, Inc.	342		342	
Pennsylvania, total	3,029		3,029	
Wistar Institute	3,029		3,029	
East North Central, total	200		200	
Michigan, total	200		200	
Michigan Cancer Foundation, Inc.	200		200	
South Atlantic, total	41			41
Georgia, total	41			41
Skidaway Institute of Oceanography	41			41
West South Central, total	1	1		
Texas, total	1	1		
Southwest Research Institute	1	1		
Mountain, total	175	175		
New Mexico, total	175	175		
Lovelace Foundation for Medical Education	175	175		
Pacific, total	2,903		2,887	16
California, total	2,903		2,887	16
Salk Institute for Biological Studies	16			16
Scripps Clinic and Research Foundation	2,887		2,887	

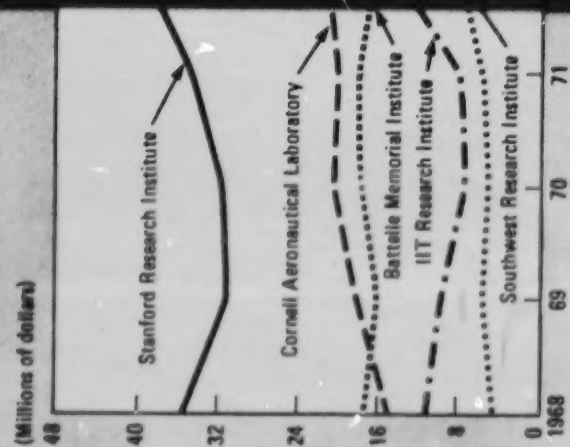
SOURCE: National Science Foundation

percent in 1972. SRI and CAL, which received respective 1972 increases of \$6 million and \$1 million, were at higher support levels in 1972 than in 1968. In contrast the 1972 decline in Battelle Memorial Institute brought that institution to a level below 1968.

The significant rise in support to Research Institute in 1972 can be attributed primarily to the inclusion of funds for Electromagnetic Compatibility Analysis, which, although administered by HEW, is classified as a nonprofit FFRDC under sponsorship of DOD prior to 1972.

Federal R&D obligations

to the five nonprofit research institutions receiving the largest amounts, FY 1968-1971



SOURCE: National Science Foundation

Section 2. FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS

Annual support for research and development performed by Federally Funded Research and Development Centers (FFRDC's) under nonprofit management increased from \$216 million in 1971 to \$221 million in 1972. Of the 1972 total, \$2 million was allocated to R&D plant and equipment.

The Department of Defense, the largest Federal sponsor of R&D programs in this sector, financed 68 percent of the 1972 total, representing a decline of 5 percentage points from DOD's 1971 share. DOD which sponsors 7 of the 22 nonprofit FFRDC's obligated \$149 million to these organizations in 1972, \$8 million less than in 1971. A significant proportion of the decline was due to DOD's declassification of the Electro-magnetic Computability Analysis Center (ECAC), funded at a level of \$6 million in 1971, as an FFRDC. Obligations for ECAC are now reported under the parent organization, IIT Research Institute which is classified as an independent nonprofit research institution.

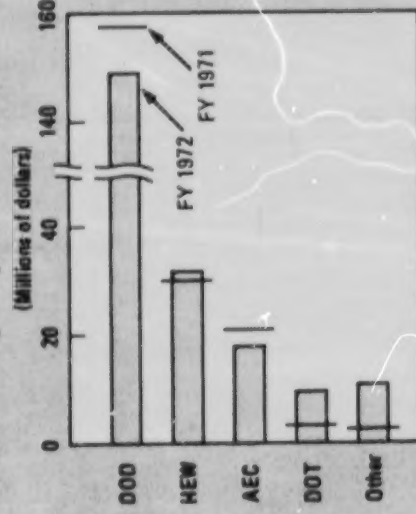
In 1972 DOD reported higher totals for two nonprofit FFRDC's, the MITRE Corporation and Human Resources Research Organization (HumRRO) which registered respective DOD increases of \$412,000 and \$184,000. Dollar decreases for the remaining 5 DOD centers ranged from a \$1.3 million reduction in DOD funds to the RAND Corporation to a \$110,000 decline in funds to the Institute for Defense Analyses (IDA).

The leading DOD-sponsored center, the Aerospace Corporation, was awarded \$71 million by DOD during 1972, one-half of the DOD total for this sector. The other major R&D performers, MITRE and RAND, received \$34 million and \$18 million, respectively, from DOD in 1972.

Of the seven nonprofit FFRDC's sponsored by the Defense Department, RAND had the greatest diversity with 27 percent of its 1972 funds obligated by agencies other than DOD. In contrast, three DOD centers, IDA, Analytical Services, Inc., and the Aerospace Corporation, received at least 95 percent of their funds from DOD.

HEW obligations to nonprofit FFRDC's rose slightly in 1972 from \$31 million to \$32 million. Over 91 percent of HEW's 1972 total represented funds awarded by the Office of Education to 11 regional educational laboratories and 2 educational research policy centers. OE's R&D laboratories, which initially numbered 20, were established under provisions of the Cooperative Research Act of 1963, as amended by Title IV of the Elementary and Secondary Education Act of 1965.

Federal R&D obligations to FFRDC's administered by nonprofit institutions



SOURCE: National Science Foundation

Total support including research and development and R&D plant to OE-sponsored nonprofit FFRDC's remained relatively level in 1972 at \$110 million. Because of budgetary restrictions as a new policy to open competition for educational R&D funds, OE reduced the number of regional laboratories from 15 to 11 in the 1972 period. Five of the remaining OE-sponsored organizations registered increases in 1972. These were Appalachia Educational Laboratory, Far West Laboratory for Educational Research and Development, Research for Better Schools, Inc., Southwest Educational Development Laboratory, and Southwestern Cooperative Educational Laboratory. The largest gain registered by Research for Better Schools, which increased by \$1.3 million to a level of \$11 million, making it the leading OE recipient.

In contrast to the above support pattern of OE's eight university-based R&D centers, evidenced a gain from 1971 to 1972.

The Atomic Energy Commission, the support of R&D performed by nonprofit FFRDC's with a total of \$16 million in 1972, all funds to two centers, the Pacific Northwest Laboratory (PNL) and the Atomic Casualty Commission. From 1971-72 increased its R&D support to the Atomic Casualty Commission by \$1 million to a level of \$6 million, while funds to PNL were reduced \$4 million to \$12 million.

Obligations by the other nine agencies for R&D projects at nonprofit-administered FFRDC's amounted to \$20 million in 1972, four times their combined 1971 R&D total. A major part of the gain can be attributed to higher support level for the Department of Transportation which increased its voluntary funding from \$3 million in 1971 to \$10 million in 1972. Nearly 90 percent of the DOT total was obligated to the MITRE Corporation.

Federal obligations for research and development and R&D plant to Federally Funded Research and Development Centers administered by nonprofit institutions: fiscal years 1968-72

[Dollars in thousands]

State and institution	Total Federal obligations					Research and development					R&D plant					Sponsoring agency
	1968	1969	1970	1971	1972	1968	1969	1970	1971	1972	1968	1969	1970	1971	1972	
Total	\$234,083	\$248,728	\$273,288	\$216,225	\$220,582	\$229,308	\$235,865	\$256,481	\$213,987	\$218,988	\$4,765	\$10,843	\$16,776	\$2,226	\$1,613	
Arkansas																
South Central Regional Educational Laboratory Corporation ¹	711	380				700	330				11					HEW/OE
California																
Aerospac Corporation	73,626	76,338	72,853	71,405	74,859	73,537	76,338	72,853	71,405	74,859	89					DOD/Air Force
RAND Corporation	20,407	20,438	21,167	21,156	25,175	20,296	20,438	21,167	21,156	25,175	112					DOD/Air Force
Center for Educational Policy Research ²	500	500	448	444	308	500	500	444	444	308						HEW/OE
The Far West Laboratory for Educational Research and Development	1,308	6,536	2,373	3,717	3,776	1,250	1,665	2,375	3,206	3,776	58	4,853		453		HEW/OE
Southwest Regional Laboratory for Educational Research and Development	2,235	2,487	7,310	3,630	3,165	2,235	2,487	3,024	3,630	3,165			4,386			HEW/OE
Colorado																
Rocky Mountain Regional Educational Laboratory ¹	514	348				514	348									HEW/OE
District of Columbia																
Atomic Bomb Casualty Commission	3,822	3,925	4,250	4,817	5,774	3,885	3,786	4,155	4,572	5,897	137	137	85	45	77	AEC
Central Atlantic Regional Educational Laboratory ¹	788	390				788	389				18					HEW/OE
Georgia																
Southeastern Educational Laboratory ²	719	670	720	488		670	670	720	488		49					HEW/OE
Illinois																
Cooperative Educational Research Laboratory, Inc. ³	822	241				800	261				20					HEW/OE
Maryland																
Electromagnetic Compatibility Analysis Center ²	5,237	4,842	5,210	5,803		5,237	4,842	5,210	5,803							HEW/OE
Massachusetts																
MITRE Corporation	36,521	32,702	40,856	35,974	42,915	36,521	32,702	40,856	35,974	42,915						DOD/Air Force
Educational Development Center, Inc. ²	1,041	1,360	1,509	625		1,041	1,360	1,509	625							DOD/Air Force
Michigan																
Michigan-Ohio Regional Educational Laboratory ¹	653	385				600	385				53					HEW/OE
Minnesota																
Upper Midwest Regional Educational Laboratory, Inc. ³	678	800	968	730		678	800	968	730							HEW/OE
Missouri																
Central Midwestern Regional Educational Laboratory	1,370	1,746	8,138	4,482	4,042	1,360	1,746	3,233	4,482	3,945	30		2,965		87	HEW/OE
New Mexico																
Mid-Continent Regional Educational Laboratory	730	938	957	869	889	730	938	957	869	889						HEW/OE
New York																
Southwestern Cooperative Educational Laboratory	791	862	956	1,067	1,136	752	862	956	1,067	1,136	39					HEW/OE
Center for Urban Education	2,675	2,646	2,600	2,000	2,000	2,675	2,646	2,600	2,000	2,000						HEW/OE
Policy Research Center ¹	486	587	686	822	843	486	587	686	822	843						HEW/OE
North Carolina																
Eastern Regional Institute for Education ¹	947	999	844	408		943	999	844	408		4					HEW/OE
North Carolina																
National Laboratory for Higher Education ¹	688	820	1,152	1,170	1,017	684	820	1,152	1,170	1,017	4					HEW/OE
Oregon																
Northwest Regional Educational Laboratory	1,566	1,783	1,841	2,472	3,168	1,544	1,783	1,841	2,472	3,168	22					HEW/OE
Pennsylvania																
Research for Better Schools, Inc.	2,094	2,757	3,387	3,526	4,888	2,088	2,756	3,387	3,526	4,888	5	57				HEW/OE
Texas																
Southwest Educational Development Laboratory	1,452	1,843	6,363	2,160	2,285	1,400	1,710	2,283	2,180	2,285	52	133	4,100			HEW/OE

**Federal obligations for research and development and R&D plant to Federally Funded Research
and Development Centers administered by nonprofit institutions: fiscal years 1968-72—Con.**

[Dollars in thousands]

State and institution	Total Federal obligations					Research and development					R&D plant					Sponsoring agency
	1968	1970	1971	1972	1973	1968	1969	1970	1971	1972	1968	1969	1970	1971	1972	
Virginia																
Institute for Defense Analyses	11,941	11,659	12,660	12,622	11,941	12,356	11,858	11,858	12,660	12,622						DOD/Office of Secretary
Research Analysis Corporation	10,308	9,524	9,278	8,481	10,308	9,915	8,524	8,278	9,278	8,481						DOD(Air Force)
Human Resources Research Organization*		4,291	4,007	4,878			4,291	4,007	4,878							DOD(Air Force)
Analytical Services, Inc.	1,495	1,190	1,659	1,943	1,495	1,190	1,659	2,256	1,943	1,943						DOD(Air Force)
Washington																
Pacific Northwest Laboratory	46,943	55,256	62,119	19,391	42,851	49,613	56,727	17,659	13,366	13,366	4,082	5,945	5,382	1,732	1,439	AEC
West Virginia																
Appalachian Educational Laboratory	994	816	875	2,029	994	896	1,126	875	2,029	2,029	20					HEW/C

*Phased out as an FRDCC as of the end of FY 1969

*Administered by Stanford Research Institute

*Phased out as an FRDCC as of the end of FY 1971

*Administered by Syracuse University Research Corporation

*Formerly known as Regional Educational Laboratory for the Carolinas and Virginia

*Was "university administered" prior to fiscal year 1970. See part 1, section 3 for data for those years

SOURCE: National Science Foundation

APPENDIXES

A. Technical Notes

B. Statistical Tables

APPENDIX A

Technical Notes

CONCEPTS AND LIMITATIONS

The dollar totals in this report represent obligations to academic institutions, selected other nonprofit organizations and associated Federally Funded Research and Development Centers (FFRDC's), incurred by 14 Federal agencies. Data for three of the reporting agencies—the Agency for International Development, and the Departments of Housing and Urban Development and Labor—are combined for the purpose of tabular presentation. These units constitute the "other" category used as the final column heading in tables showing agency detail.

Dollar totals reflect actual obligations by the reporting agency during a fiscal year (July 1 to June 30) regardless of when funds were spent by a recipient.¹ Certain allocations for financial assistance by Federal agencies were excluded from the study, notably loans such as those made by the Office of Education (OE) and agency support of Federal employee training and development activities. Obligations were reported in amounts rounded to the nearest thousand dollars.

Data for individual institutions represent direct support from Federal agencies and, therefore, do not make allowances for amounts subcontracted to or from other institutions. Consequently, the location of actual performance of obligated amounts cannot be identified if that performance takes place at some site other than that of the institution to which funds are obligated. In cases of interagency transfers of funds, the agency that made the final distribution of the funds to academic institutions reported the obligations.

Federal obligations to university "systems" are shown in terms of the individual institutions comprising a system. Also listed separately are Federal dollars awarded directly to the administrative center of a system. However, where the final allocation of funds is not known at the time the award is made, agencies report the funds as obligations to the system's administrative office, or "central system." In many cases, the Federal funds are distributed by the system's central office to individual institutions. To the extent this filtering effect takes place, the amounts reported for the individual institutions within a system may be understated. Central system obligations in FY 1972 were reported for the following:

Maricopa County Junior Colleges System
Universities and State Colleges of Arizona System
California State College System
Claremont Colleges System
San Diego Junior Colleges System
University of California System

¹ Data for the Atomic Energy Commission were provided in terms of costs rather than obligations but are treated as substantially the same in this analysis.

State University System of Florida
University of Illinois System
Indiana University System
Louisiana State University System
University of Maine System
University of Maryland System
University of Missouri System
University of Nebraska System
University of Nevada System
City University of New York System
Columbia University System
State University of New York System
University of North Carolina System
Oregon State Higher Education System
University of Tennessee System
Texas A&M University System
University of Texas System
Utah Higher Education System
University of Wisconsin System
Wisconsin State University System
University of Puerto Rico System

Among the categories of support reported by agencies, amounts shown for individual institutions always indicate the way the funds are actually spent organizationally. For instance, the entire obligation Department of Defense were reported under research and development, although some of the funds were expended for plant and facilities.

Sections 1 and 2 in part I of this report include comparisons between obligation data and educational data on total conferred over the academic year 1970-71. These figures are compiled from degree data collected by OE in the Education General Information Survey (HEGIS).

RELATIONSHIP OF THIS STUDY TO FEDERAL FOR RESEARCH, DEVELOPMENT, AND SCIENTIFIC ACTIVITIES

Both this study and Federal Funds for Research, Development, and Other Scientific Activities obtain data on obligations by Federal agencies for research and development R&D plant to universities, colleges, other nonprofit institutions, and their associated FFRDC's. This study is toward obtaining information on total Federal support to individual institutions and selected nonprofit organizations, while the Federal Funds study obtains research and development and R&D plant obligations.

² National Science Foundation, Federal Funds for Research, Development, and Other Scientific Activities, Fiscal Years 1972, 1973, and 1974, Vol. XXII (NSF 74-300) (Washington, D.C. 20402: Supl. of Documents, U.S. Government Office, 1974.)

Federal agencies to each sector of the economy, including Government, industry, universities and colleges, and all other nonprofit organizations. In *Federal Funds*, the emphasis is on character of activity and type of performer, rather than individual academic recipients.

In general, there is conformity of concepts and definitions used in the two studies. Note, however, that data do not and cannot conform in all respects. Reporting differences may be traced to one or more of the following reasons:

(a) In *Federal Funds* data were compiled from agency budgets in terms of aggregate sector totals. In this report data were generated from each agency's information system in terms of totals for each recipient.

(b) This study is based on the reports of 14 Federal agencies, while the *Federal Funds* survey obtained data on a Government-wide basis.

(c) Another reporting difference arises from the fact that the National Institutes of Health (NIH) reported its General Research Support Grants Program as research and development in *Federal Funds* and as "general support for science" in this report. In addition, for *Federal Funds* the National Science Foundation (NSF) reported as research and development that portion of institutional development funds which is expended for R&D activities, whereas for this study, all such funds were reported as "general support for science."

(d) For the purpose of this report, "selected nonprofit organizations" include primarily independent nonprofit research institutions. Omitted from this group are hospitals, academies of science, museums, professional and technical societies, and private philanthropic foundations all of which are included in the *Federal Funds* classification of nonprofit organizations.

(e) In cases of interagency transfers of funds, the present study instructs the agency that actually obligates funds to report the obligation. In *Federal Funds*, on the other hand, agencies initiating the interagency transfers report the obligated amounts.

DEFINITIONS OF TERMS

University or college consists of all parts of the academic institution such as a college of liberal arts, professional school, hospital, school of agriculture, agricultural experiment station, etc.—except an associated FFRDC. Universities and colleges include all institutions of higher education in the United States that offer at least 2 years of college-level studies in residence. The universe of institutions for this report is based upon OE's Education Directory 1971-72. To be included in this report, an institution must have received some Federal support in fiscal year 1972, and must possess a

significant degree of autonomy with respect to educational and administrative responsibilities. Thus, universities and colleges organized under systems, e.g., groups of institutions collectively having legal status and generally accorded recognition by a State, by a board of education, or other relevant organization, are shown as separate institutions in cases where significant autonomy exists. Obligations to branches and campuses of institutions are not shown separately but are included in the total for the parent institutions. Obligations to service schools were excluded from the study. Also excluded were funds awarded to the U.S. Department of Agriculture Graduate School.

Nonprofit research institutions included in this study were limited to 85 selected independent research institutes and 22 nonprofit-administered FFRDC's. Compiled prior to the start of the 1972 survey, the list of research institutes sent to Federal agencies was made up of those institutions that were believed to be most likely to receive at least \$300,000 in Federal R&D obligations for FY 1972. To assure as complete coverage as possible, the list includes several institutions that had funding levels below \$300,000. Since the survey produced funding information on these smaller organizations, they are included in the report. Excluded from the study of selected nonprofit institutions are such nonprofit organizations as nonprofit hospitals, academies of sciences, professional and technical societies, museums, and philanthropic foundations.

FFRDC's in this report are organizational units managed by universities and colleges or other nonprofit institutions. Generally, these units have been established to meet a particular R&D need of a Federal agency. Uniform identification and classification criteria have been developed for use by all sponsoring agencies. To be classified as an FFRDC, an organization should:

- Perform primarily one or more of the following: basic research, applied research, development, or management of research and development. Specifically excluded are organizations engaged primarily in routine quality control and testing, routine service activities, production mapping surveys, and information dissemination;
- Constitute a separate operational unit within the parent organization or be organized as a separately incorporated organization;
- Perform actual research and development or R&D management either upon direct request of the Government or under a broad charter from the Government, but in either case under the direct mentorship of the Government;
- Receive its major financial support - 70 percent or more - from the Federal Government, usually from one agency;

(e) Have or be expected to have, a long-term ship - about 5 years or more - with its agency, as evidenced by the specific obligations and the agency assume;

(f) Be established in the contract so that most the facilities are owned or funded by Government; and,

(g) Have an average annual budget, operating and capital equipment, of \$500,000.

Included in this report are 31 FFRDC's administered by universities and colleges and 22 FFRDC's administered by other nonprofit institutions. Of the 31 FFRDC's with universities and colleges in 1972, 23 are administered by universities; seven are managed by university consortia; and one, Argonne National Laboratory, is managed jointly by the University of Chicago and Universities Association.

Academic science includes the sum of activities under six categories: research and development; facilities and equipment for instruction in science; engineering; fellowships, traineeships, and training; general support for science; and other science activities. These categories are defined below.

Research is defined as scientific inquiry. It includes studies - those oriented toward deeper or more understanding and knowledge per se in a particular field; and applied studies - those aimed at new or complete knowledge in the light of potential practical application.

Development is the systematic use of scientific directed toward the production of useful material systems, or methods, including design and development of prototypes and processes. It excludes quality control, product testing, and production.

R&D plant includes all direct, indirect, incidental costs resulting from, or necessary to the construction, acquisition of, major repair to, or alterations in works, fixed equipment, facilities, or land for use in research and development. Fixed equipment includes accelerators, reactors, wind tunnels, radio telescopes, and other scientific instruments.

Facilities and equipment for instruction in science engineering include all direct, indirect, incidental or relating to the construction, acquisition, modification, repair, or rental of facilities, land, or equipment for use in instruction in science and engineering.

Fellowships, traineeships, and training grants awards (stipends and cost-of-education allowance) for training of individuals or groups of individuals in future demand for scientific and technical research. Excluded from this category are funds for research seminars, and conferences; educational institutes

and conferences; and the development of educational techniques or materials.

General support for science includes activities which provide support for nonspecific or generalized purposes related to scientific research and education. Such projects are generally oriented toward academic departments, institutes, or institutions as a whole. "General support" implies a spectrum of varying types of support. At one extreme is support provided without any specification of purpose other than that funds be used for scientific activities. Another kind of "general support" is to be found in projects that provide funds for activity within a specified field of science or engineering but without specification of explicit purpose. The distinguishing feature of "general support for science" projects is that they permit a significant measure of freedom as to purpose (research, faculty support, education, institutional support, etc.). Among the projects reported under the category "General Support for Science" were projects awarded through the following agency programs: NIH General Research Support Grants
NIH Health Sciences Advancement Awards
NIH Biomedical Sciences Support Grants
NSF Institutional Grants for Science
NSF Science Development Program
NSF College Science Improvement Program
NSF Cooperative College - School Science Program

Other science activities include USDA's cooperative extension programs; educational or research institutes, seminars, or conferences; and other science activities not included in one of the other five academic science categories.

Nonscience activities include all other programs not included in the six science categories defined above.

Fields of Science

Science and engineering represent the sum of all fields of science and engineering. These consist of eight broad categories and 32 detailed fields. Shown below are definitions of each broad field together with an illustrative list of disciplines under each of the detailed fields.

(a) **Physical sciences** are concerned with the understanding of the material universe and its phenomena. They comprise the fields of astronomy, chemistry, physics, and physical sciences not elsewhere classified. Examples of the disciplines under each of these fields follow.

Astronomy:
Laboratory astrophysics; optical astronomy; radio astronomy; theoretical astrophysics; X-ray, gamma-ray, neutrino astronomy.

Chemistry:

Inorganic; organo-metallic organic; physical.

Physics:

Acoustics; atomic and molecular; condensed matter; elementary particles; nuclear structure; optics; plasma.

Physical sciences, n.e.c.³

(b) **Mathematics** employs logical reasoning with the aid of symbols and is concerned with the development of methods of operation employing such symbols. Examples of mathematical disciplines are

Algebra; analysis; applied mathematics; computer science; foundations and logic; geometry; numerical analysis; statistics; and topology.

(c) **Environmental sciences** (terrestrial and extraterrestrial) are concerned with the gross nonbiological properties of the areas of the solar system which directly or indirectly affect man's survival and welfare. They comprise the fields of atmospheric sciences, geological sciences, oceanography, and environmental sciences not elsewhere classified. Examples of the disciplines under each of these fields are

Atmospheric sciences:

Aeronomy; solar; weather modification; extraterrestrial atmospheres; meteorology.

Geological sciences:

Engineering geophysics; general geology; geodesy and gravity; geomagnetism; hydrology; inorganic geochemistry; isotopic geochemistry; organic geochemistry; laboratory geophysics; paleomagnetism; paleontology; physical geography and cartography; seismology; soil sciences.

Oceanography:

Chemical oceanography; geological oceanography; physical oceanography; marine geophysics.

Environmental sciences, n.e.c.³

(d) **Engineering** is concerned with studies directed toward developing engineering principles or toward making specific scientific principles usable in engineering practice. Engineering is divided into eight categories: Aeronautical, astronautical, chemical, civil, electrical, mechanical, metallurgy and materials, and engineering not elsewhere classified. Examples of disciplines under each of these engineering fields are

Aeronautical:
Aerodynamics.

Astronautical:

Aerospace; space technology.

Chemical:

Petroleum; petroleum refining; process.

Civil:

Architectural; hydraulic; hydrologic; marine; sanitation; structural; transportation.

Electrical:

Communication; electronic; power.

Mechanical:

Engineering mechanics.

Metallurgy and materials.

Ceramic; mining; textile; welding.

Engineering, n.e.c.³

Agricultural; industrial and management; nuclear; engineering; systems.

(e) **Life sciences** consist of the biological, clinical and other medical sciences and life sciences not elsewhere classified.

Biological sciences are those which, apart from the medical and other medical sciences defined below, include the origin, development, structure, function, and interactions of living things. The agricultural and basic medical sciences are included. Examples of biological sciences are

Anatomy; animal sciences; bacteriology; biochemistry; biology; biological oceanography; biophysics; embryology; entomology; evolutionary biology; immunology; microbiology; nutrition and metabolism; pharmacology; physical anthropology; plant sciences; radiobiology; systematics.

Clinical medical sciences are concerned with the pathogenesis, diagnosis or therapy of a particular or abnormal condition in living human subject under controlled conditions.

Other medical sciences are concerned with studies of causes, effects, prevention, or control of abnormalities in man or in his environment as it relates to health except for the clinical aspects as defined above.

Life sciences, n.e.c.³

(f) **Psychology** deals with behavior, mental processes, individual and group characteristics and characteristics of groups. Psychology is divided into three categories: biological, social aspects, and psychological sciences not elsewhere classified. Examples of the disciplines under these fields are

³ Not elsewhere classified. This category includes disciplinary projects within the broad field and interdisciplinary projects for which a separate field has been assigned.

Biological aspects:

Experimental psychology; animal behavior; clinical psychology; comparative psychology; ethology.

Social aspects:

Social psychology; educational, personnel, vocational psychology and testing; industrial and engineering psychology; development and personality.

Psychological sciences, n.e.c.³

(g) **Social sciences** are directed toward an understanding of the behavior of social institutions and of individuals as members of a group. These include anthropology, economics, history, linguistics, political science, sociology, and social sciences not elsewhere classified. Examples of the disciplines under each of these fields are

Anthropology:

Archaeology; cultural and personality; social and ethnology; applied anthropology.

Economics:

Econometrics and economic statistics; history of economic thought; international economics; industrial, labor and agricultural economics; macroeconomics; microeconomics; public finance and fiscal policy; theory.

History:

Cultural; political, social; history and philosophy of science.

Linguistics:

Anthropological-archaeological; computational; psychological; sociolinguistics.

Political science:

Area or regional studies; comparative government; history of political ideas; international relations and law; national political and legal systems; political theory; public administration.

Sociology:

Comparative and historical complex organizations; culture and social structure; demography; group interactions; social problems and social welfare; sociological theory.

Social sciences, n.e.c.³

Research in law and education, n.e.c.; socioeconomic geography.

(h) **Other sciences not elsewhere classified** for this report include single projects as well as multidisciplinary and interdisciplinary projects that could not be classified within one of the above broad fields of science.

APPENDIX B

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Program and year	Total	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	Other ¹
Total Federal obligations:													
1963	1,413.0	104.0	76.1	1.8	218.0			665.3	4.0	87.4	256.3		
1964	1,625.0	115.0	79.9	1.7	258.1			780.0	5.3	107.6	277.5		
1965	2,305.5	135.6	84.4	2.6	267.9			1,345.6	9.7	134.3	325.2		
1966	3,010.0	141.0	96.9	2.8	278.0			1,952.2	22.4	142.2	374.5		
1967	3,311.1	144.8	109.6	7.9	264.1			2,231.2	27.4	131.5	394.5		
1968	3,379.7	144.2	119.7	9.8	243.1	54.7		2,215.2	28.2	129.8	422.8	3.8	8.4
1969	3,453.3	155.9	121.0	3.9	278.7	60.4		2,293.4	24.3	127.2	367.0	NA	21.4
1970	3,226.7	182.1	114.5	4.9	265.5	35.6		2,051.0	27.7	131.2	387.4	10.1	16.6
1971	3,487.4	214.6	105.8	9.7	249.0	37.5	27.2	2,263.4	22.6	134.1	387.7	10.8	25.0
1972	4,130.6	238.6	95.3	26.0	243.9	30.0	23.3	2,827.9	24.4	119.0	458.7	15.9	27.7
Academic science obligations:													
1963	1,328.5	104.0	76.1	1.8	218.0			581.0	3.8	87.4	256.3		
1964	1,528.6	115.0	79.9	1.7	258.1			683.8	5.1	107.6	277.5		
1965	1,816.2	135.6	84.4	2.6	267.9			856.5	9.6	134.3	325.2		
1966	2,163.5	141.0	96.9	2.8	278.0			1,109.2	19.1	142.2	374.5		
1967	2,323.8	144.8	109.6	4.4	264.1			1,251.0	23.9	131.5	394.5		
1968	2,349.8	144.2	119.7	8.0	243.1	12.5		1,229.4	28.2	129.8	422.8	3.7	8.4
1969	2,361.4	155.9	121.0	2.2	278.7	9.3		1,261.8	24.3	127.2	367.0	NA	14.0
1970	2,187.6	182.1	114.5	3.9	265.5	18.9		1,036.7	27.7	131.2	387.4	10.1	9.6
1971	2,343.1	214.6	105.8	7.6	249.0	16.4	27.2	1,142.3	22.6	134.1	387.7	10.8	25.0
1972	2,599.0	238.6	95.3	26.0	243.9	8.3	23.2	1,318.4	24.3	119.0	458.7	15.9	27.5
Research and development:													
1963	829.5	40.6	68.3	1.5	218.0			332.9	3.8	59.8	104.6		
1964	975.6	47.5	70.5	1.1	258.1			399.2	5.0	78.2	115.8		
1965	1,095.0	59.1	74.8	2.1	267.9			441.9	9.5	100.6	139.2		
1966	1,252.1	62.9	83.2	2.1	278.0			507.3	18.7	107.4	192.5		
1967	1,301.2	64.0	89.7	3.4	264.1			577.0	23.9	109.0	170.2		
1968	1,398.3	62.2	101.8	6.7	243.1	12.5		619.1	27.8	126.1	187.7	3.7	7.6
1969	1,474.7	63.6	103.1	1.7	278.7	9.3		667.1	23.5	122.3	191.5	NA	13.9
1970	1,446.6	67.4	101.4	3.2	265.5	18.9		614.9	27.1	127.4	201.2	10.1	9.6
1971	1,551.4	74.8	95.9	6.9	249.0	16.4	17.0	695.7	21.3	128.5	216.9	8.0	21.0
1972	1,853.0	88.6	86.8	23.6	243.9	8.3	17.7	879.3	23.0	112.4	334.7	12.4	22.3
R&D plant:													
1963	105.9		2.6					39.2	.1	13.4	50.6		
1964	100.8		4.0					39.9		9.1	47.8		
1965	126.2	3.2	3.8					54.8	(²)	8.4	56.0		
1966	114.8	2.0	7.4					48.5	.2	7.4	49.3		
1967	111.3	2.0	13.8	.3				38.1		5.0	52.1		
1968	96.1	1.9	11.9	.2				36.9			45.3		
1969	54.5	1.2	11.4					20.5			21.4	NA	
1970	44.8	1.1	7.1	(²)				20.0			16.5		
1971	29.9		4.8					15.2		.2	9.7		
1972	36.9		4.1					22.2		.6	10.0		
Other science activities:													
1963	393.1	63.4	5.3	.3				208.9	(²)	14.1	101.1		
1964	452.2	67.5	5.4	.6				244.6	(²)	20.2	113.9		
1965	595.0	73.3	5.9	.6				359.8	(²)	25.4	130.1		
1966	796.6	76.1	6.3	.7				553.3	.2	27.3	132.7		
1967	911.2	78.8	6.2	.7				635.9	(²)	17.4	172.3		

Program and year	Total	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	Other ¹
Other science activities: Con.													
1968	885.4	80.1	6.1	1.0	.....	.....	.....	573.4	.4	3.7	189.9	(?)	.8
1969	832.2	91.1	6.5	.5	(?)	.....	.....	574.1	.9	5.0	154.1	NA	.1
1970	696.2	113.5	5.9	.7	(?)	.....	.....	401.9	.6	3.8	169.7	.....	.....
1971	761.8	139.8	5.2	.8	.....	.....	10.1	431.5	1.3	5.3	161.1	2.8	3.9
1972	709.1	150.0	4.4	2.4	.....	.....	5.6	416.9	1.2	6.0	113.9	3.5	5.2
Nonscience activities:													
1963	84.5	.....	.....	.....	.....	.....	.....	84.3	.2	.....	.....	.....	.....
1964	96.4	.....	.....	.....	.....	.....	.....	96.2	.2	.....	.....	.....	.....
1965	489.3	(?)	.....	.....	.....	.....	.....	489.1	.1	.....	.....	.....	.....
1966	846.4	(?)	.....	.....	.....	.....	.....	843.1	3.4	.....	.....	.....	.....
1967	987.3	(?)	.....	3.5	.....	.....	.....	980.2	3.5	.....	.....	.....	.....
1968	1,029.9	.....	.....	1.8	.....	42.2	.....	985.8	.....	.....	.....	.1	.....
1969	1,091.9	.....	.....	1.8	(?)	51.1	.....	1,031.6	.....	.....	.....	NA	7.4
1970	1,039.2	.....	.....	1.0	(?)	16.7	.....	1,014.3	.....	.....	.....	.....	7.1
1971	1,144.3	.....	.....	2.0	.....	21.1	.....	1,021.1	(?)	.....	.....	.....	.....
1972	1,531.6	.....	.....	.....	.....	21.7	.....	1,509.5	.1	.....	.....	.....	.2

¹Includes AID, HUD, and Labor.

²Less than \$50,000.

NA-Not Available

SOURCE: National Science Foundation

Table B-2. Federal obligations to universities and colleges, by agency and type of activity: FY 1972

(Dollars in thousands)

Agency	Total obligations	Academic science							Nonscience activities
		Total academic science	Research and development	R&D plant	Facilities and equipment for instruction in science and engineering	Fellowships, traineeships, and training grants	General support for science	Other science activities	
Total, all agencies	4,130,561	2,598,989	1,852,963	36,917	26,341	387,880	83,288	211,592	1,531,572
Department of Agriculture	238,555	238,555	88,566	.....	488	.....	.....	149,501	.....
Atomic Energy Commission	95,267	95,267	86,786	4,074	1,912	2,004	.....	491	.....
Department of Commerce	26,021	26,021	23,591	.....	.....	381	1,481	558	.....
Department of Defense	243,884	243,884	243,884	.....	.....	.....	.....	.....	.....
Office of Economic Opportunity	30,005	8,257	8,257	.....	.....	.....	.....	.....	21,748
Environmental Protection Agency	23,284	23,284	17,709	.....	.....	5,575	.....	.....	.....
Department of Health, Education, and Welfare	2,827,941	1,318,436	879,278	22,240	20,942	346,644	40,713	8,619	1,509,505
Department of the Interior	24,395	24,252	23,045	.....	.....	.....	1,207	.....	143
National Aeronautics and Space Administration	119,000	119,000	112,426	575	.....	1,071	.....	4,928	.....
National Science Foundation	458,678	458,678	334,722	10,028	2,999	28,752	34,692	47,485	.....
Department of Transportation	15,874	15,874	12,413	.....	.....	3,461	.....	.....	.....
Other ¹	27,657	27,481	22,286	.....	.....	.....	5,195	.....	176

¹Includes AID, HUD, and Labor.

SOURCE: National Science Foundation

**Table B-3. HEW obligations to universities and colleges,
by HEW component and type of activity: FY 1972**

(Dollars in thousands)

HEW Component	Total obligations	Academic science							Nonscience activities
		Total academic science	Research and development	R&D plant	Facilities and equipment for instruction in science and engineering	Fellowships, traineeships, and training grants	General support for science	Other science activities	
Total	2,827,941	1,318,436	879,278	22,240	20,942	346,644	40,713	8,819	1,509,505
National Institutes of Health	1,356,468	962,103	722,658	22,240	.....	170,929	40,713	5,563	394,365
Health Services and Mental Health Administration	358,810	196,102	92,982	.....	.....	103,883	.....	1,237	160,708
Office of Education	998,762	92,183	30,460	.....	20,942	40,541	.....	240	906,579
Social and Rehabilitation Service	52,865	52,865	22,677	.....	.....	30,188	.....	.....	.....
Social Security Administration	334	334	334	.....	.....	.....	.....	.....	.....
Food and Drug Administration	7,533	7,533	4,851			1,103		1,579	
Other HEW	53,169	5,316	5,316						47,853

SOURCE: National Science Foundation.

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**Table B-4. DOD obligations to universities and colleges,
by DOD component and type of activity: FY 1972**

(Dollars in thousands)

DOD Component	Total obligations	Academic science							Nonscience activities
		Total academic science	Research and development	R&D plant	Facilities and equipment for instruction in science and engineering	Fellowships, traineeships, and training grants	General support for science	Other science activities	
Total	243,884	243,884	243,884 ¹	.....	.....	.....	.....	.....	.....
Army	50,970	50,970	50,970	.....	.....	.....	.....	.....	.....
Navy	102,082	102,082	102,082	.....	.....	.....	.....	.....	.....
Air Force	85,873	85,873	85,873	.....	.....	.....	.....	.....	.....
Other DOD	4,959	4,959	4,959	.....	.....	.....	.....	.....	.....

¹Includes some R&D plant funding which could not be reported separately.

SOURCE: National Science Foundation.

TABLE B-5 TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES AND THE NUMBER OF RECIPIENT INSTITUTIONS, BY GEOGRAPHIC DIVISION, STATE, AND TYPE OF ACTIVITY, FY 1972 (DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION AND STATE		TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE					GENERAL SUPPORT FOR SCIENCE	OTHER SCIENCE	NON- SCIENCE
			TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR. IN SCI. & ENG.	FELLOWSHIPS, TRAINEESHIPS, TRAIN. GRANTS			
UNITED STATES, TOTAL	AMT	4,130,561	2,598,989	1,852,963	36,917	26,341	387,888	83,288	211,592	1,531,572
	NO.	2,413	1,413	637	97	812	797	692	472	2,389
NEW ENGLAND, TOTAL	AMT	418,516	328,238	263,851	9,702	1,680	40,893	6,885	18,019	98,286
	NO.	219	124	59	9	68	69	64	36	213
MAINE	AMT	8,877	3,851	1,737	0	83	445	141	1,445	5,026
	NO.	22	11	4	0	8	5	5	4	21
NEW HAMPSHIRE	AMT	16,652	9,690	6,742	28	185	1,173	345	1,297	8,982
	NO.	20	9	4	1	7	5	4	2	26
VERMONT	AMT	13,436	7,517	5,040	0	129	862	315	1,171	5,919
	NO.	18	12	5	0	7	6	4	2	18
MASSACHUSETTS	AMT	288,183	248,568	209,456	4,142	722	27,272	4,423	3,553	47,615
	NO.	111	61	28	5	23	36	34	18	187
RHODE ISLAND	AMT	21,671	16,028	13,566	47	147	1,089	464	715	5,643
	NO.	13	10	5	1	8	5	4	3	13
CONNECTICUT	AMT	69,697	58,576	35,510	1,485	494	10,052	1,197	1,838	19,121
	NO.	35	21	13	2	15	12	13	7	24
MIDDLE ATLANTIC, TOTAL	AMT	672,437	443,829	323,339	4,058	4,336	73,417	15,961	22,718	228,688
	NO.	378	243	196	15	124	135	122	183	375
NEW YORK	AMT	433,601	282,483	209,541	3,392	2,142	47,451	8,684	11,273	121,118
	NO.	205	118	84	8	42	73	65	59	262
NEW JERSEY	AMT	67,660	35,329	25,810	302	691	4,630	1,680	2,386	32,331
	NO.	50	28	10	3	17	19	14	9	58
PENNSYLVANIA	AMT	281,176	126,817	87,988	364	1,593	21,336	5,597	9,139	75,159
	NO.	123	97	32	4	70	43	43	35	123
EAST NORTH CENTRAL, TOTAL	AMT	638,134	401,969	285,295	2,661	4,821	83,494	12,436	33,262	228,165
	NO.	367	203	91	15	124	117	107	59	362
OHIO	AMT	134,184	77,926	54,080	615	1,020	13,113	2,027	7,071	56,258
	NO.	83	46	26	4	29	33	29	17	83
INDIANA	AMT	81,016	51,652	34,599	423	611	6,178	3,365	6,476	29,862
	NO.	42	24	10	3	13	16	11	8	40
ILLINOIS	AMT	178,369	119,074	86,675	1,247	1,199	19,456	2,317	8,180	59,235
	NO.	110	53	21	4	30	27	28	13	110
MICHIGAN	AMT	141,409	88,082	62,220	282	928	14,797	3,717	6,218	53,327
	NO.	88	41	18	2	25	19	23	9	79
WISCONSIN	AMT	95,218	65,235	47,721	174	1,063	9,958	1,818	5,317	29,983
	NO.	52	39	16	2	27	22	16	12	56
WEST NORTH CENTRAL, TOTAL	AMT	320,919	181,384	118,683	394	1,947	31,683	5,688	23,269	139,535
	NO.	271	142	56	8	88	82	59	40	271
MINNESOTA	AMT	78,318	51,736	36,577	60	518	9,282	961	4,426	26,582
	NO.	51	28	8	1	15	15	13	7	51
IOWA	AMT	41,990	27,558	16,938	0	289	4,675	1,223	4,433	22,432
	NO.	52	22	9	0	15	14	13	5	52
MISSOURI	AMT	93,458	55,690	37,569	185	485	18,549	1,525	5,457	37,780
	NO.	67	37	15	2	22	19	13	12	63
NORTH DAKOTA	AMT	14,781	6,128	3,788	0	69	525	121	1,625	8,653
	NO.	11	7	4	0	6	5	3	3	11
SOUTH DAKOTA	AMT	16,279	5,873	3,094	0	115	518	144	2,084	18,486
	NO.	16	12	5	0	11	8	4	3	16
NEBRASKA	AMT	27,081	12,063	7,369	14	167	1,791	335	2,387	15,818
	NO.	27	18	9	1	9	9	5	5	27
KANSAS	AMT	41,028	22,336	13,268	215	312	4,425	1,179	2,937	18,684
	NO.	51	18	6	2	10	12	8	5	51

CONTINUED

TABLE B-5 TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES AND THE NUMBER OF RECIPIENT INSTITUTIONS, BY GEOGRAPHIC DIVISION, STATE, AND TYPE OF ACTIVITY, FY 1972 (DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION AND STATE		TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE-----							NON- SCIENCE
			TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR. IN SCI. & ENG.	FELLOWSHIPS, TRAINING, GRANTS	GENERAL SUPPORT FOR SCIENCE	OTHER SCIENCE	
SOUTH ATLANTIC, TOTAL	AMT NO.	632,784 410	340,388 239	220,062 94	6,778 15	3,792 123	57,320 132	14,780 103	37,656 73	292,396 483
DELAWARE	AMT NO.	7,512 7	4,868 5	2,898 2	15 1	88 5	351 3	78 2	1,438 2	2,644 7
MARYLAND	AMT NO.	96,468 48	70,817 26	93,596 15	162 2	237 8	12,013 16	1,472 13	3,337 7	25,651 48
DIST. OF COLUMBIA	AMT NO.	108,149 16	31,345 12	21,766 8	30 1	291 9	6,739 8	1,035 8	1,484 8	76,804 15
VIRGINIA	AMT NO.	59,285 60	32,903 41	19,442 14	87 1	485 30	5,372 15	1,780 18	5,737 16	26,382 60
WEST VIRGINIA	AMT NO.	22,689 23	8,789 16	4,145 6	14 1	539 8	1,310 9	229 5	2,552 2	13,900 22
NORTH CAROLINA	AMT NO.	133,693 94	83,440 47	49,045 12	5,682 3	578 25	15,656 29	4,325 19	8,154 11	47,253 94
SOUTH CAROLINA	AMT NO.	35,309 42	12,444 25	5,711 7	49 2	637 15	1,529 12	399 6	4,119 5	22,861 42
GEORGIA	AMT NO.	70,529 61	39,275 33	24,852 10	42 1	328 7	5,706 23	2,220 18	6,127 12	31,254 57
FLORIDA	AMT NO.	102,154 59	56,507 34	38,607 12	697 3	689 16	8,644 17	3,242 14	4,788 16	45,647 59
EAST SOUTH CENTRAL, TOTAL	AMT NO.	244,892 178	112,099 93	63,052 39	1,388 8	1,743 53	15,755 58	7,595 46	22,566 36	132,793 178
KENTUCKY	AMT NO.	42,601 32	18,340 17	9,245 6	9 1	506 11	2,673 14	645 8	5,268 7	24,261 32
TENNESSEE	AMT NO.	86,661 59	42,255 33	24,866 16	126 4	408 17	7,913 22	3,017 15	5,925 15	44,406 59
ALABAMA	AMT NO.	74,725 48	34,528 25	21,101 11	1,200 1	581 15	3,832 19	2,214 13	5,600 8	40,197 48
MISSISSIPPI	AMT NO.	40,905 39	16,976 18	7,840 6	53 2	254 10	1,337 7	1,719 10	5,773 6	23,929 39
WEST SOUTH CENTRAL, TOTAL	AMT NO.	312,988 204	172,497 141	108,687 71	4,977 4	2,551 89	23,034 77	7,715 71	26,013 45	140,091 203
ARKANSAS	AMT NO.	27,544 23	13,056 14	6,601 7	0 0	236 10	1,160 7	319 6	4,740 4	14,488 23
LOUISIANA	AMT NO.	58,026 24	29,584 21	16,511 15	0 0	476 15	5,441 14	2,510 15	4,566 11	28,522 24
OKLAHOMA	AMT NO.	38,595 34	16,949 23	7,963 16	32 1	222 11	2,889 14	691 10	5,152 7	21,646 34
TEXAS	AMT NO.	188,823 123	113,388 83	77,532 39	4,945 3	1,617 53	13,544 42	4,195 40	11,555 23	75,435 122
MOUNTAIN, TOTAL	AMT NO.	223,755 161	137,159 69	98,651 33	3,847 7	1,036 48	16,691 39	3,159 38	13,735 26	86,596 100
MONTANA	AMT NO.	12,973 12	5,927 18	3,593 2	6 0	128 8	718 4	159 4	1,329 3	7,046 12
IDAHO	AMT NO.	7,886 8	3,494 7	1,789 3	0 0	77 5	306 4	143 2	1,179 2	4,392 8
WYOMING	AMT NO.	7,372 6	4,494 3	2,996 1	8 1	53 3	267 1	80 1	1,090 1	2,878 6
COLORADO	AMT NO.	69,220 29	44,694 17	37,045 8	64 2	266 8	6,388 10	1,023 11	3,908 7	28,526 29
NEW MEXICO	AMT NO.	37,147 10	20,947 8	12,468 6	3,375 1	154 5	1,505 7	443 6	2,922 4	16,200 10
ARIZONA	AMT NO.	34,869 17	17,587 11	12,082 5	82 1	200 8	3,202 7	473 6	1,548 3	17,222 17
UTAH	AMT NO.	47,370 12	31,734 9	25,471 5	318 2	68 8	3,898 4	741 5	1,238 4	15,636 12

GEOGRAPHIC DIVISION AND STATE		TOTAL, ALL ACTIVITIES	FOR ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FOR INSTR. IN SCI. & ENG.	FOR TRAINERSHIP, TRAIN. GRANTS	FOR SUPPORT FOR SCIENCE	OTHER SCIENCE	NON- SCIENCE
MOUNTAIN										
NEVADA	AMT NO.	6,978 9	4,282 4	3,247 3	0 0	98 3	327 2	97 3	521 2	2,894 4
PACIFIC, TOTAL	AMT NO.	646,185 275	468,087 150	367,033 82	7,025 10	2,588 84	64,027 81	8,954 76	16,438 50	178,091 274
WASHINGTON	AMT NO.	95,666 39	67,682 32	92,826 18	298 2	428 23	18,388 15	1,046 11	2,784 8	27,984 34
OREGON	AMT NO.	91,122 38	32,444 25	22,884 15	122 2	229 13	6,056 15	887 10	2,346 10	18,674 37
CALIFORNIA	AMT NO.	465,559 198	341,857 92	269,927 55	6,277 12	1,798 45	46,116 49	6,150 53	11,589 32	123,702 190
ALASKA	AMT NO.	10,902 3	9,673 2	8,419 1	49 1	76 2	50 1	222 1	857 1	1,224 5
HAWAII	AMT NO.	22,936 5	16,431 1	12,977 1	279 1	57 1	1,425 1	759 1	934 1	6,505 9
OUTLYING AREAS, TOTAL	AMT NO.	27,951 12	12,947 9	9,238 6	87 0	1,847 8	1,574 7	285 6	3,924 4	15,004 10
GUAM	AMT NO.	493 1	83 1	42 1	0 0	32 1	0 0	9 1	0 0	410 1
PUERTO RICO	AMT NO.	26,896 8	12,748 7	5,182 4	87 0	1,783 6	1,592 6	265 4	3,871 3	14,198 8
VIRGIN ISLANDS	AMT NO.	562 1	124 1	6 1	0 0	32 1	22 1	11 1	93 1	438 1

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-6

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY GEOGRAPHIC DIVISION, STATE, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION AND STATE	TOTAL	USDA	AEC	COM	DOO	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
UNITED STATES, TOTAL	4,130,561	218,555	95,267	25,021	243,886	30,085	23,296	2,427,961	24,195	119,000	454,578	15,074	27,657
NEW ENGLAND, TOTAL	618,516	9,956	14,144	3,072	69,147	1,211	2,131	222,072	1,244	26,735	62,764	2,369	2,741
MAINE	4,877	1,967	1	194	24	0	77	5,666	107	0	433	0	0
NEW HAMPSHIRE	15,652	1,312	50	524	260	0	50	11,906	100	721	1,729	0	0
VERMONT	13,636	1,610	21	0	376	0	69	10,690	100	15	581	166	0
MASSACHUSETTS	294,191	2,876	10,496	1,729	63,445	1,211	1,660	138,693	938	25,268	46,084	2,196	2,187
RHODE ISLAND	21,671	1,070	607	1,336	2,046	0	195	9,861	215	204	6,164	13	0
CONNECTICUT	69,697	1,521	3,013	85	3,032	0	50	53,268	228	527	7,175	14	554
MIDDLE ATLANTIC, TOTAL	672,437	18,871	20,196	2,674	29,311	6,422	3,224	488,637	2,095	12,648	85,490	2,033	2,432
NEW YORK	603,801	7,872	14,223	1,309	17,617	4,138	1,519	292,616	693	7,523	53,366	764	2,469
NEW JERSEY	47,650	2,854	2,114	1,830	3,637	0	449	45,448	172	3,005	8,256	647	14
PENNSYLVANIA	201,176	4,145	3,955	335	4,657	292	1,120	158,573	1,230	2,120	23,474	622	349
EAST NORTH CENTRAL, TOTAL	630,134	32,150	19,242	3,514	34,160	5,196	4,797	424,172	1,426	16,006	80,460	3,798	4,451
OHIO	136,196	7,505	1,401	116	11,037	1,217	1,013	98,548	368	1,613	9,663	283	1,420
INDIANA	51,814	5,669	2,562	264	7,741	99	440	40,858	526	1,961	15,452	1,507	940
ILLINOIS	174,309	6,951	8,199	213	8,677	451	1,291	118,739	366	4,160	28,203	745	362
MICHIGAN	161,609	6,541	4,244	1,136	9,052	598	1,124	93,572	304	5,810	16,198	1,055	1,725
WISCONSIN	95,219	5,474	2,846	1,780	2,653	3,049	923	64,445	380	2,482	10,934	198	54
WEST NORTH CENTRAL, TOTAL	320,919	30,531	2,776	203	5,970	709	1,357	242,776	4,592	6,625	20,129	627	4,524
MINNESOTA	78,314	5,479	1,440	0	2,056	398	755	55,100	954	2,590	5,323	115	3,500
IOWA	49,990	5,686	207	22	765	0	202	38,561	426	1,961	3,724	303	265
MISSOURI	93,650	7,108	357	28	2,356	311	162	75,915	358	1,160	5,249	190	250
NORTH DAKOTA	14,741	2,395	4	105	100	0	46	9,486	1,790	16	439	0	0
SOUTH DAKOTA	16,279	2,343	43	20	105	0	52	11,483	1,104	11	1,103	15	0
NEBRASKA	27,051	3,701	64	20	78	0	69	21,321	238	199	1,113	0	295
KANSAS	51,020	3,877	677	10	510	0	72	31,502	222	420	3,178	4	206
SOUTH ATLANTIC, TOTAL	632,744	45,972	8,474	4,037	22,401	8,722	3,915	467,748	2,459	11,462	47,958	2,911	6,725
DELAWARE	7,512	1,451	13	0	245	0	74	3,541	100	30	2,054	0	0
MARYLAND	95,664	3,312	3,016	339	3,441	1,343	193	67,810	150	5,252	8,434	0	2,750
DIST. OF COLUMBIA	104,149	611	174	92	4,117	4,211	435	93,628	86	1,453	2,557	344	361
VIRGINIA	59,295	6,909	911	106	1,305	0	113	41,739	475	2,335	4,374	463	575
WEST VIRGINIA	22,649	3,670	0	36	75	607	294	16,485	611	57	409	370	75
NORTH CAROLINA	130,693	11,042	1,560	1,161	3,090	352	1,091	98,793	237	485	10,440	234	2,168
SOUTH CAROLINA	35,305	6,019	55	8	509	0	360	26,489	147	101	1,514	63	0
GEORGIA	70,529	8,055	931	146	3,046	0	359	58,064	293	875	5,672	975	115
FLORIDA	102,154	4,863	1,816	2,149	6,175	2,169	1,006	69,199	320	974	12,460	492	781
EAST SOUTH CENTRAL, TOTAL	246,892	32,524	1,871	238	3,021	2,155	862	188,235	1,178	2,938	10,436	469	585
KENTUCKY	42,831	8,496	40	0	295	0	17	31,483	242	540	1,390	100	0
TENNESSEE	46,661	7,802	1,741	142	963	55	171	67,964	378	411	4,610	349	85
ALABAMA	74,725	8,269	70	9	1,555	1,638	116	58,333	436	1,674	2,105	20	500
MISSISSIPPI	40,905	7,959	20	47	208	452	539	28,475	122	313	2,731	0	0
WEST SOUTH CENTRAL, TOTAL	312,948	29,843	3,176	2,844	12,448	2,622	1,530	225,468	1,269	9,925	21,571	1,052	1,796
ARKANSAS	27,544	6,012	88	101	0	0	36	20,895	162	29	1,021	0	0
LOUISIANA	54,026	5,946	231	721	1,070	51	329	44,180	125	713	4,005	150	505
OKLAHOMA	74,595	5,098	57	106	1,764	0	421	26,994	283	956	2,795	117	0
TEXAS	156,823	12,787	2,800	1,720	9,654	2,571	744	134,195	699	7,427	13,750	785	1,291
MOUNTAIN, TOTAL	223,755	15,941	3,559	1,456	17,759	1,069	1,657	137,962	6,504	9,235	25,290	724	2,599
MONTANA	12,973	2,425	71	0	72	0	265	8,524	460	95	1,081	0	0
IDaho	7,886	1,940	18	6	223	0	0	4,767	352	0	560	0	0
WYOMING	7,372	1,273	84	0	564	0	110	3,345	912	101	943	0	0
COLORADO	44,220	2,828	1,050	1,171	4,202	251	369	40,290	1,625	3,972	12,226	153	1,083
NEW MEXICO	37,147	2,158	79	0	5,523	286	24	24,050	453	2,132	1,586	224	628
ARIZONA	34,809	2,347	302	6	2,469	532	199	23,509	337	1,421	3,065	36	86
UTAH	47,370	1,812	1,504	227	4,420	0	397	30,249	1,356	1,104	5,184	311	402
NEVADA	6,978	1,098	171	46	246	0	249	3,248	1,029	10	601	0	0
PACIFIC, TOTAL	546,185	17,047	18,745	7,378	49,547	3,699	3,705	411,982	2,682	23,426	104,951	1,091	1,374
WASHINGTON	95,666	3,533	2,737	2,071	9,510	274	416	65,773	410	980	12,375	176	11
OREGON	91,122	2,967	604	1,762	1,719	249	661	35,257	256	504	6,546	0	298
CALIFORNIA	465,559	8,151	14,323	1,726	37,621	3,176	2,192	296,164	1,920	19,474	79,367	1,715	830
ALASKA	10,902	1,050	247	927	1,097	0	116	2,148	232	670	2,405	0	0
HAWAII	22,936	1,376	634	1,290	1,641	0	0	11,640	184	2,198	3,754	0	235
OUTLYING AREAS, TOTAL	27,951	5,658	3,040	3	0	0	42	18,889	100	0	227	0	0
GUAM	493	0	0	0	0	0	42	462	0	0	9	0	0
PUERTO RICO	26,496	5,597	3,040	0	0	0	0	17,995	100	0	204	0	0
VIRGIN ISLANDS	562	53	0	3	0	0	0	492	0	0	14	0	0

* INCLUDES ATO, HUD, AND LABOR

SOURCE: NATIONAL SCIENCE FOUNDATION (NSF)

TABLE B-7

FEDERAL OBLIGATIONS FOR ACADEMIC SCIENCE, BY
GEOGRAPHIC DIVISION, STATE, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION AND STATE	TOTAL	USDA	SEC	CON	DOE	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
UNITED STATES, TOTAL	2,594,949	234,555	95,267	25,021	243,844	4,257	23,294	1,319,436	24,252	119,008	458,674	15,874	27,681
NORTH ENGLAND, TOTAL	324,210	9,956	14,144	1,872	69,147	405	2,131	132,592	1,288	26,735	82,766	2,369	2,741
MAINE	3,851	1,967	1	198	24	0	77	660	107	0	331	0	0
NEW HAMPSHIRE	9,590	1,312	50	524	240	0	53	4,946	100	721	1,729	0	0
VERMONT	7,517	1,410	21	0	376	0	59	4,779	100	15	501	146	0
MASSACHUSETTS	240,558	2,675	10,495	1,729	61,445	405	1,660	13,884	538	25,764	46,384	2,196	2,187
RHODE ISLAND	14,324	1,070	607	1,336	2,046	0	195	6,198	215	704	6,144	13	0
CONNECTICUT	50,576	1,521	3,013	45	3,032	0	40	16,167	228	527	7,375	14	554
MIDDLE ATLANTIC, TOTAL	443,829	18,871	20,196	2,674	29,311	590	3,224	263,761	2,095	12,644	85,490	2,033	2,832
NEW YORK	232,441	7,472	14,221	1,309	17,017	294	1,519	175,330	693	7,523	53,166	764	2,469
NEW JERSEY	15,729	2,054	2,114	1,030	3,637	0	449	13,117	172	3,005	8,246	647	14
PENNSYLVANIA	126,817	4,145	3,454	335	4,657	292	1,120	75,414	1,230	2,120	21,474	622	349
EAST NORTH CENTRAL, TOTAL	631,969	12,140	19,242	1,514	34,160	4,656	4,797	196,493	1,926	16,066	80,460	3,794	4,305
OHIO	77,926	7,505	1,401	116	11,037	1,192	1,013	42,315	368	1,513	9,553	283	1,420
INDIANA	51,852	9,669	2,562	259	2,741	89	440	19,506	525	1,341	15,462	1,507	940
ILLINOIS	117,074	6,951	4,194	213	8,677	0	1,291	49,955	346	4,160	24,273	745	362
MICHIGAN	84,042	6,541	6,244	1,116	9,052	990	1,124	40,421	104	5,410	16,114	1,065	1,549
WISCONSIN	65,235	5,474	2,445	1,740	2,653	2,815	923	34,696	380	2,442	10,714	194	54
WEST NORTH CENTRAL, TOTAL	141,344	30,531	2,776	203	4,970	197	1,357	103,788	4,657	6,625	20,129	627	4,524
MINNESOTA	51,736	5,479	1,440	0	2,056	0	755	29,924	954	2,590	5,123	115	3,500
IOWA	27,554	5,646	207	22	765	0	202	14,129	426	1,429	3,724	303	265
MISSOURI	55,690	7,108	357	26	2,356	137	162	34,264	354	1,160	5,249	190	258
NORTH DAKOTA	6,124	2,395	4	105	100	0	46	1,233	1,790	16	419	0	0
SOUTH DAKOTA	5,873	2,343	43	20	185	0	52	1,077	1,104	11	1,103	15	0
NEBRASKA	12,063	3,701	44	20	78	0	64	5,103	234	199	1,113	0	295
KANSAS	22,316	3,819	677	10	510	0	72	12,653	147	420	3,174	4	206
SOUTH ATLANTIC, TOTAL	340,344	45,972	4,474	4,037	22,401	591	3,915	183,483	2,459	11,462	47,958	2,911	6,725
DELAWARE	4,854	1,451	13	0	245	0	74	497	100	30	2,054	0	0
MARYLAND	70,817	3,312	3,014	319	3,441	237	183	43,305	150	5,252	4,434	0	2,750
DIST. OF COLUMBIA	11,345	511	174	92	4,117	204	473	20,831	86	1,453	2,657	344	341
VIRGINIA	72,903	6,984	311	106	1,305	0	113	15,357	475	2,335	4,374	463	575
WEST VIRGINIA	5,749	3,670	0	34	75	150	294	3,042	611	57	409	370	75
NORTH CAROLINA	47,440	11,042	1,568	1,151	3,038	0	1,031	51,892	237	445	10,440	234	2,168
SOUTH CAROLINA	12,444	5,819	55	0	509	0	363	3,628	147	101	1,514	53	0
GEORGIA	19,275	4,055	431	146	1,044	0	159	18,410	293	475	5,672	975	115
FLORIDA	56,507	4,863	1,416	2,149	6,175	0	1,026	25,721	320	974	12,408	442	701
EAST SOUTH CENTRAL, TOTAL	112,099	32,524	1,471	234	3,021	0	442	57,597	1,178	2,938	10,435	469	585
KENTUCKY	14,340	4,494	40	0	295	0	17	7,222	242	540	1,190	100	0
TENNESSEE	42,255	7,822	1,741	142	963	0	171	25,603	378	411	4,610	349	45
ALABAMA	34,528	4,269	70	9	1,555	0	116	19,774	436	1,674	2,105	20	500
MISSISSIPPI	15,976	7,959	20	47	204	0	514	4,998	122	313	2,731	0	0
WEST SOUTH CENTRAL, TOTAL	172,497	29,863	3,174	2,644	12,444	333	1,530	87,696	1,269	9,525	21,571	1,052	1,796
ARKANSAS	11,056	6,012	44	101	0	0	36	5,607	182	29	1,021	0	0
LOUISIANA	29,504	5,966	231	771	1,070	51	323	15,658	125	713	4,005	150	505
OKLAHOMA	16,949	5,094	57	106	1,764	0	421	5,352	213	956	2,795	117	0
TEXAS	113,348	12,747	2,488	1,720	9,664	252	744	61,079	699	7,427	17,750	745	1,291
MOUNTAIN, TOTAL	137,159	15,941	3,559	1,456	17,759	0	1,697	52,541	6,398	9,235	25,290	724	2,549
MONTANA	5,927	2,425	71	0	72	0	265	1,478	440	95	1,041	0	0
IDAHO	1,494	1,940	14	6	223	0	3	157	350	0	560	0	0
WYOMING	4,694	1,273	44	0	564	0	110	474	905	101	343	0	0
COLORADO	48,634	2,828	1,050	1,171	4,202	0	169	20,081	1,559	3,972	12,226	153	1,043
NEW MEXICO	20,947	2,154	74	0	5,523	0	24	4,136	453	2,112	1,546	224	620
ARIZONA	17,547	2,367	342	6	2,469	0	199	6,419	317	1,821	3,165	36	46
UTAH	11,714	1,412	1,504	227	4,420	0	347	14,434	1,335	1,104	5,144	311	402
NEVADA	4,242	1,894	371	46	246	0	249	562	1,019	10	601	0	0
PACIFIC, TOTAL	468,047	17,047	18,745	7,376	49,587	1,445	3,785	216,180	2,880	23,426	103,951	1,491	1,374
WASHINGTON	67,542	3,533	2,737	2,071	5,510	0	416	39,063	410	940	12,375	176	11
OREGON	32,444	2,957	434	1,762	1,714	0	661	16,430	254	504	6,646	0	298
CALIFORNIA	141,457	4,151	14,323	1,726	37,621	1,445	2,192	174,193	1,920	19,474	74,167	1,715	430
ALASKA	9,573	1,060	247	527	3,097	0	116	919	232	670	2,405	0	0
HAWAII	16,411	1,376	634	1,290	1,641	0	0	5,135	164	2,198	1,754	0	235
OUTLYING AREAS, TOTAL	12,967	5,650	3,040	3	0	0	42	3,445	100	0	227	0	0
GUAM	83	0	0	0	0	0	42	12	0	0	9	0	0
PUERTO RICO	12,740	5,597	3,040	0	0	0	3	3,799	100	0	204	0	0
VIRGIN ISLANDS	124	53	0	3	0	0	0	54	0	0	14	0	0

* INCLUDES ATO, HUD, AND LARGP

SOURCE: NATIONAL SCIENCE FOUNDATION (NSF)

Division and State	Total obligations	Total degrees awarded	Academic science obligations	R&D obligations	Degrees awarded in the sciences and engineering, 1970-71			M.D. & D.D.S. degrees
	FY 1972	1970-71	FY 1972	FY 1972	Ph.D.	Master's	Bachelor's	1970-71
United States, total	\$4,130,561	1,144,121	\$2,598,989	\$1,852,963	18,447	50,149	269,747	12,763
Percent of U.S. total								
New England	10.13	7.28	12.63	14.20	8.75	7.34	7.54	4.77
Maine	.21	.46	.15	.09	.07	.22	.52	.....
New Hampshire	.40	.44	.37	.36	.29	.31	.58	.....
Vermont	.33	.33	.29	.27	.13	.11	.45	.36
Massachusetts	6.98	4.00	9.26	10.82	5.97	4.87	4.10	3.73
Rhode Island	.52	.58	.62	.73	.81	.62	.58	.....
Connecticut	1.69	1.47	1.95	1.92	1.49	1.21	1.31	.68
Middle Atlantic	16.28	17.74	17.08	17.45	17.22	19.62	18.31	21.34
New York	9.77	9.59	10.87	11.31	10.18	11.92	10.00	11.37
New Jersey	1.64	2.33	1.36	1.39	1.97	2.58	2.16	1.34
Pennsylvania	4.87	5.81	4.85	4.75	5.07	5.12	6.15	8.63
East North Central	15.26	20.48	15.47	15.40	22.00	21.13	19.11	19.84
Ohio	3.25	5.00	3.00	2.92	3.82	4.47	4.67	4.47
Indiana	1.96	3.01	1.99	1.87	3.69	3.59	2.76	2.46
Illinois	4.32	5.26	4.58	4.68	6.66	5.66	4.88	6.63
Michigan	3.42	4.66	3.39	3.36	4.91	5.11	4.18	3.87
Wisconsin	2.31	2.54	2.51	2.53	2.93	2.31	2.62	2.41
West North Central	7.77	9.41	6.98	6.40	8.75	7.92	9.04	10.31
Minnesota	1.90	1.99	1.99	1.97	1.96	1.05	1.96	2.15
Iowa	1.21	1.64	1.06	.91	2.20	1.30	1.72	1.48
Missouri	2.26	2.41	2.14	2.03	2.07	2.86	2.31	3.67
North Dakota	.36	.42	.24	.20	.37	.43	.40	.....
South Dakota	.39	.50	.23	.17	.18	.54	.51	.....
Nebraska	.66	1.04	.46	.40	.51	.41	.83	2.06
Kansas	.99	1.40	.86	.72	1.45	1.34	1.30	.96
South Atlantic	15.32	12.50	13.10	11.88	11.24	11.20	12.41	15.27
Delaware	.18	.19	.19	.16	.33	.29	.21	.....
Maryland	2.34	1.49	2.72	2.89	1.71	1.12	1.33	2.53
District of Columbia	2.62	1.11	1.21	1.17	1.41	2.27	.85	3.61
Virginia	1.44	1.67	1.27	1.05	1.30	1.21	1.99	2.17
West Virginia	.55	.83	.34	.22	.34	.54	.78	.87
North Carolina	3.16	2.16	3.21	2.65	2.56	1.64	2.50	2.11
South Carolina	.85	.83	.48	.31	.44	.55	.88	.76
Georgia	1.71	1.83	1.51	1.34	1.29	1.50	1.73	1.98
Florida	2.47	2.39	2.17	2.08	1.85	2.09	2.14	1.24
East South Central	5.93	5.64	4.31	3.40	3.44	3.65	5.15	7.37
Kentucky	1.03	1.42	.71	.50	.61	.74	1.25	2.12
Tennessee	2.10	1.85	1.63	1.34	1.57	1.51	1.90	3.68
Alabama	1.81	1.42	1.33	1.14	.72	.74	1.30	.96
Mississippi	.99	.95	.65	.42	.54	.66	.70	.61
West South Central	7.58	8.74	6.65	5.86	7.25	7.84	8.02	8.36
Arkansas	.67	.77	.50	.36	.22	.44	.70	.81
Louisiana	1.40	1.63	1.14	.89	1.30	1.10	1.40	2.38
Oklahoma	.93	1.42	.65	.43	1.34	1.36	1.19	.86
Texas	4.57	4.93	4.36	4.18	4.40	4.94	4.73	4.30
Mountain	5.42	5.10	5.28	5.33	5.53	5.81	5.14	1.75
Montana	.31	.42	.23	.19	.30	.45	.43	.....
Idaho	.19	.29	.13	.10	.16	.36	.24	.....
Wyoming	.18	.15	.17	.16	.29	.26	.18	.....
Colorado	1.68	1.50	1.87	2.00	1.83	1.47	1.55	.78
New Mexico	.90	.51	.81	.67	.51	.77	.54	.20
Arizona	.84	1.05	.68	.65	1.25	1.35	.91	.23
Utah	1.15	1.05	1.22	1.37	1.10	1.03	1.15	.53
Nevada	.17	.13	.16	.18	.09	.12	.15	.....
Pacific	15.64	12.44	18.01	19.81	15.80	15.33	14.56	10.22
Washington	2.32	1.83	2.60	2.85	2.08	1.77	2.03	1.44
Oregon	1.24	1.25	1.25	1.23	1.71	1.25	1.18	1.25
California	11.27	8.93	13.15	14.57	11.56	11.68	10.94	7.52
Alaska	.26	.05	.37	.45	.07	.10	.05	.....
Hawaii	.56	.37	.63	.70	.38	.53	.37	.....
Outlying areas ¹	.68	.67	.50	.28	.01	.16	.72	.78

¹Includes Puerto Rico, Virgin Islands, and Guam. The amounts to the Virgin Islands and Guam were a small fraction of the total.

SOURCE: National Science Foundation

TABLE B-9 TOTAL FEDERAL OBLIGATIONS TO THE 100 UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY TYPE OF ACTIVITY, FY 1972 (DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY TOTAL FEDERAL OBLIGATIONS)	TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE							OTHER SCIENCE	NON-SCIENCE
			TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR. IN SCI. & ENG	FELLOWSHIPS, TRAININGS, GRANTS	GENERAL SCIENCE, SUPPORT FOR			
UNITED STATES, TOTAL		4,130,561	2,598,989	1,052,963	36,917	26,341	387,888	83,208	211,592	1,531,572	
1	MASS INST OF TECH	112,472	111,551	104,882	830	50	4,018	1,212	559	921	
2	UNIV OF WASHINGTON	73,284	58,835	48,241	273	38	9,209	709	365	14,449	
3	UNIV OF MICHIGAN	66,810	55,482	44,681	70	93	8,878	1,482	478	11,328	
4	HARVARD UNIV	65,072	58,625	45,450	236	15	11,673	919	332	6,447	
5	UNIV OF MINNESOTA	64,246	44,794	36,453	68	113	8,448	776	3,944	14,452	
6	UNIV OF CAL LOS ANGELES	63,893	54,372	41,929	3,397	65	7,630	789	562	9,521	
7	UNIV OF WIS-MADISON	62,512	53,878	40,943	151	130	7,587	640	4,427	8,634	
8	STANFORD UNIV	62,224	58,318	48,216	356	10	8,584	557	675	3,986	
9	COLUMBIA UNIV	60,654	55,087	45,493	482	8	7,742	854	436	5,644	
10	UNIV OF CAL SAN DIEGO	57,693	54,999	50,827	1,101	27	3,083	561	280	2,694	
TOTAL 1ST 10 INSTS.		688,860	610,861	506,115	6,956	541	76,772	8,499	11,978	77,999	
11	UNIV OF CAL BERKELEY	57,305	50,855	37,455	349	26	6,282	568	6,263	6,450	
12	JOHNS HOPKINS UNIV	54,681	46,070	35,535	120	0	9,085	819	591	8,611	
13	HOWARD UNIV	51,069	4,915	3,895	0	27	1,468	276	57	46,154	
14	OHIO STATE UNIV	47,875	33,718	23,869	390	41	3,760	637	5,821	14,157	
15	CORNELL UNIV	46,868	43,161	31,834	30	51	4,991	1,219	5,836	2,707	
16	UNIV OF PENNSYLVANIA	46,875	37,897	28,379	128	143	8,169	862	216	6,978	
17	YALE UNIV	44,504	37,446	27,506	1,470	14	7,742	654	468	6,658	
18	NEW YORK UNIV	44,093	34,394	23,045	1,787	87	7,089	2,162	304	9,699	
19	UNIV OF ILLINOIS-URBANA	42,433	39,042	28,253	633	38	3,272	324	6,522	3,191	
20	UNIV OF CHICAGO	42,369	39,097	31,079	518	19	6,944	587	30	3,272	
TOTAL 1ST 20 INSTS.		1,163,932	977,856	774,565	12,381	987	135,326	16,519	38,078	186,876	
21	UNIV OF CAL SAN FRANCISCO	36,472	27,212	20,382	133	0	6,054	510	133	9,260	
22	UNIV OF COLORADO	35,587	25,959	19,926	21	48	4,369	565	1,030	9,628	
23	DUKE UNIV	35,266	31,578	17,768	5,599	68	6,395	1,618	130	3,688	
24	UNIV OF M C AT CHAP HILL	34,005	23,625	16,811	39	0	5,724	780	351	10,388	
25	WASHINGTON UNIV	33,548	28,709	21,752	0	0	6,455	502	0	4,839	
26	UNIV OF UTAH	32,342	21,621	17,312	287	16	3,437	459	118	10,721	
27	UNIV OF SOUTHERN CAL	31,698	25,180	20,827	136	7	3,976	535	499	6,518	
28	VESNIVA UNIV	29,950	24,443	19,868	0	0	4,799	464	112	5,587	
29	UNIV OF PITTSBURGH	29,701	19,201	13,197	0	20	3,920	1,368	696	10,500	
30	PENNSYLVANIA STATE UNIV	28,831	24,621	15,989	186	206	1,699	422	6,119	4,210	
TOTAL 1ST 30 INSTS.		1,491,332	1,230,085	956,797	18,782	1,152	182,154	23,662	47,258	261,327	
31	MICHIGAN STATE UNIV	28,349	20,217	11,270	132	4	2,411	1,560	4,848	8,132	
32	PURDUE UNIV	27,895	24,921	16,687	132	129	2,334	918	4,811	2,972	
33	UNIV OF MIAMI	27,430	19,266	16,606	184	0	1,912	580	84	8,564	
34	UNIV OF FLORIDA	27,552	21,235	13,561	0	38	3,788	472	3,464	6,317	
35	UNIV OF ROCHESTER	27,531	23,297	18,371	268	59	3,982	464	153	4,234	
36	U OF ALA IN BIRMINGHAM	26,077	17,191	12,966	1,200	198	1,909	622	194	8,886	
37	CASE WESTERN RESERVE UNIV	25,378	20,540	14,833	22	6	4,995	541	141	4,838	
38	UNIV OF IOWA	24,864	16,457	11,278	0	2	3,658	884	635	8,407	
39	UNIV OF ARIZONA	23,011	14,792	10,649	82	68	2,206	387	1,480	8,219	
40	UNIV OF TEXAS AT AUSTIN	22,741	19,128	14,793	0	114	3,091	350	780	3,633	
TOTAL 1ST 40 INSTS.		1,752,580	1,427,051	1,097,731	20,782	2,162	212,352	30,274	63,758	325,529	
41	UNIV OF HAWAII	22,451	16,431	12,977	279	57	1,425	759	934	6,020	
42	UNIV OF CAL DAVIS	22,389	18,986	15,734	185	16	2,045	870	136	3,403	
43	NORTHWESTERN UNIV	21,429	17,355	13,026	73	85	3,671	425	75	4,474	
44	TEXAS A & M UNIV	21,381	20,360	16,640	207	109	323	180	8,901	941	
45	UNIV OF KANSAS	21,113	14,163	9,663	12	32	3,471	933	52	6,950	
46	UNIV OF KENTUCKY	21,086	13,646	7,084	9	107	1,501	311	4,714	7,440	
47	VANDERBILT UNIV	20,872	15,986	11,142	17	14	2,499	1,837	77	4,886	
48	UNIV OF MISSOURI COLUMBIA	20,632	15,491	8,188	95	85	2,163	510	4,530	5,141	
49	BOSTON UNIV	20,478	13,585	8,744	0	0	4,419	417	1	6,893	
50	RUTGERS UNIVERSITY	20,072	12,798	8,586	50	55	2,087	375	1,805	7,274	
TOTAL 1ST 50 INSTS.		1,964,803	1,585,852	1,203,279	21,789	2,722	236,276	36,891	84,975	378,951	
51	CAL INST OF TECH	19,908	19,406	17,467	425	0	1,483	190	241	102	
52	TEMPLE UNIV	19,829	12,344	9,419	0	25	2,241	441	218	7,485	
53	WOODS HOLE OCEAN INST	19,527	19,527	16,372	3,849	0	0	0	0	0	
54	UNIV OF NEW MEXICO	18,597	9,364	6,320	3,375	21	1,887	194	367	9,233	
55	PRINCETON UNIV	18,438	17,180	14,456	244	9	1,442	929	180	1,258	
56	UNIV OF MD COLLEGE PARK	17,764	14,999	11,675	42	77	696	265	2,244	2,765	
57	INDIANA UNIV-BLOOMINGTON	17,573	11,824	7,659	176	13	1,578	1,616	790	5,749	
58	UNIV OF GEORGIA	17,261	13,882	7,310	0	13	989	188	5,382	3,379	
59	RAYLOW COL OF MEDICINE	17,155	13,721	11,291	0	0	2,035	395	0	3,434	
60	COLORADO STATE UNIV	16,951	13,948	10,799	43	41	459	263	2,343	3,003	
61	OREGON STATE UNIV	16,879	14,803	11,697	120	31	854	201	1,900	2,076	
62	SUNY ST U BUFFALO	16,844	11,200	8,208	0	55	2,169	517	251	5,644	
63	UNIV OF TENN AT KNOXVILLE	16,817	12,686	9,997	69	42	1,383	164	5,031	4,131	
64	M C STATE UNIV AT RALEIGH	16,439	15,697	7,850	44	22	881	194	6,785	742	
65	UNIV OF VIRGINIA	16,174	11,567	8,137	87	12	2,685	335	311	4,607	
66	GEORGETOWN UNIV	15,715	6,963	5,162	30	33	1,428	295	15	8,752	
67	GEORGE WASHINGTON UNIV	15,385	11,216	9,268	0	70	1,079	249	570	4,149	
68	UNIV OF CINCINNATI	15,211	9,895	6,447	41	202	2,682	290	233	5,316	
69	TULANE UNIV	14,791	10,796	7,585	0	1	2,845	381	64	3,995	

RANK	INSTITUTION RANKED BY TOTAL FEDERAL OBLIGATIONS	TOTAL, ALL ACTIVITIES	TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	PROFES FOR INSTR. IN SCI. & ENG	FELLOWSHIP- TRAIN. GRANTS	SUPPORT FOR SCIENCE	OTHER SCIENCE	NON- SCIENCE	
70	U TEX MD ANDRSON HOSP&TUM	14,616	14,675	8,316	4,582	0	1,091	308	178	161	
71	WAYNE STATE UNIV	14,461	7,524	4,579	0	12	2,321	374	218	6,937	
72	UNIV OF CONNECTICUT	14,323	9,887	6,455	15	33	1,796	389	1,199	4,436	
73	FORDY UNIV	14,139	10,689	7,790	0	42	2,210	455	192	3,450	
74	INDIANA UNIV-INDIANAPOLIS	13,730	7,552	5,768	0	0	1,423	366	3	6,178	
75	UNIV OF OKLAHOMA	13,371	6,104	3,229	0	7	1,979	355	534	7,257	
76	NEHARRY MEDICAL COL	13,168	2,211	1,187	0	0	855	175	74	11,157	
77	UNIV OF ILLINOIS-MED CTR	13,111	6,624	4,261	0	0	1,911	362	90	6,487	
78	UNIV OF NEBRASKA-LINCOLN	12,966	8,504	5,463	14	88	580	114	2,235	4,462	
79	TUFTS UNIV	12,905	7,233	5,535	0	0	1,160	324	214	5,672	
80	GALLAUDET COL	12,744	791	510	0	0	288	13	0	11,953	
81	FLORIDA STATE UNIV	12,614	9,535	5,152	13	9	2,066	1,864	431	3,079	
82	IOWA ST U OF SCIENCE&TECH	12,275	10,009	5,597	0	34	573	189	3,616	2,266	
83	CUNY NY SINAI SCH OF MED	12,274	11,406	8,922	0	0	1,982	367	115	888	
84	UNIV-MASS AMHERST CAMPUS	12,253	8,920	6,282	0	18	792	142	1,686	3,333	
85	OKLAHOMA STATE UNIV	12,158	8,806	3,944	32	18	559	234	4,019	3,352	
86	UNIV OF MD, BALTIMORE	12,075	7,575	5,591	0	4	1,722	258	0	4,500	
87	NEW MEXICO STATE UNIV	11,681	9,758	6,865	0	63	211	127	2,492	1,923	
88	WEST VIRGINIA UNIV	11,675	7,767	3,854	14	27	1,195	166	2,511	3,908	
89	U TEX SW MED SCH DALLAS	11,554	8,833	6,499	0	0	2,010	284	40	2,721	
90	UNIV OF OREGON - EUGENE	11,453	8,022	5,669	2	0	2,080	182	89	3,431	
91	LA ST UNIV BATON ROUGE	11,392	10,031	5,291	0	190	566	114	3,870	1,361	
92	AJAHURN UNIV	11,199	9,191	3,657	0	45	651	59	4,780	2,008	
93	VIRGINIA POLYTECHNIC INST	11,184	10,252	5,477	0	37	370	154	4,214	932	
94	UNIV OF MISSISSIPPI	11,057	5,282	3,612	21	5	816	239	587	5,775	
95	ST LOUIS UNIV	10,920	6,658	5,193	10	6	1,102	276	71	4,262	
96	JOCKEFFELLER UNIV	10,769	10,769	9,203	560	0	722	176	108	0	
97	UNIV OF ARK FAYETTEVILLE	10,671	9,712	4,688	0	47	414	93	4,470	959	
98	UTAH STATE UNIV	10,401	8,496	6,985	31	22	238	180	1,040	1,905	
99	MISSISSIPPI STATE UNIV	10,363	8,311	3,292	30	7	168	71	4,743	2,052	
100	UNIV OF ALASKA	10,360	9,657	8,419	49	60	80	222	857	703	
TOTAL		100 INSTS.	2,670,143	2,097,874	1,551,515	34,829	4,173	298,085	52,735	154,537	572,269

RANK	BY AMOUNT RECEIVED)	TOTAL	USDA	AEC	COM	DOO	DEO	EPA	HEW	INT	NASA	NSF	DOY	OTHER
TOTAL, ALL INSTITUTIONS		4,130,561	238,555	95,267	26,021	243,884	38,805	23,284	2,827,941	24,395	119,080	454,678	15,874	27,657
TOTAL, 188 INSTITUTIONS		2,670,143	187,721	88,445	26,475	200,226	16,514	17,069	1,646,889	14,505	102,480	352,192	11,408	21,027
1	MASS INST OF TECH	112,472	18	7,254	1,117	46,797	8	669	14,916	275	28,088	14,557	1,413	1,385
2	UNIV OF WASHINGTON	73,284	214	2,505	2,071	5,412	8	596	50,327	147	980	10,865	176	11
3	UNIV OF MICHIGAN	66,810	141	2,288	1,136	8,131	590	617	37,248	23	5,414	8,772	1,025	1,425
4	HARVARD UNIV	65,072	25	1,834	95	2,474	582	493	45,875	8	4,487	9,181	165	561
5	UNIV OF MINNESOTA	64,246	5,678	1,440	0	2,056	398	737	42,844	567	2,590	4,541	115	3,500
6	UNIV OF CAL LOS ANGELES	63,893	8	4,772	0	4,117	312	143	45,329	320	1,573	6,383	772	172
7	UNIV OF WIS-MADISON	62,512	5,471	2,731	1,780	2,424	2,815	631	35,059	354	2,410	8,887	8	30
8	STANFORD UNIV	62,224	0	619	8	8,560	0	242	34,075	173	1,579	14,838	115	17
9	COLUMBIA UNIV	60,854	18	3,545	485	5,028	127	40	34,666	81	2,797	13,313	70	580
10	UNIV OF CAL SAN DIEGO	57,693	0	1,639	224	10,989	403	128	17,615	0	4,688	21,952	55	0
11	UNIV OF CAL BERKELEY	57,385	6,578	632	107	5,745	1,686	403	23,584	650	4,111	13,309	368	172
12	JOHNS HOPKINS UNIV	54,681	8	1,022	254	1,731	1,146	84	41,680	0	2,883	3,211	0	2,750
13	HOWARD UNIV	51,069	6	86	0	55	4,211	80	46,158	22	284	190	0	57
14	OHIO STATE UNIV	47,875	7,497	480	43	3,232	0	321	30,548	213	588	3,477	283	1,273
15	CORNELL UNIV	45,868	7,714	1,416	24	2,847	0	645	18,924	295	972	12,671	0	1,160
16	UNIV OF PENNSYLVANIA	44,875	55	1,564	47	1,979	292	47	33,572	197	132	6,688	178	124
17	YALE UNIV	44,504	0	2,888	0	2,602	0	12	33,222	71	270	5,246	0	193
18	NEW YORK UNIV	44,093	0	2,098	70	2,022	200	276	33,817	78	637	4,625	122	156
19	UNIV OF ILLINOIS-URBANA	42,433	6,910	3,568	55	6,432	48	733	11,827	339	1,053	11,086	238	144
20	UNIV OF CHICAGO	42,369	0	4,196	158	964	0	84	25,103	0	2,805	8,882	0	177
21	UNIV OF CAL SAN FRANCISCO	36,472	0	861	0	301	0	0	34,916	0	186	208	0	0
22	UNIV OF COLORADO	35,587	18	827	838	953	0	137	24,867	245	2,681	4,979	50	0
23	DUKE UNIV	35,266	0	809	15	1,927	0	102	29,265	7	145	2,949	0	7
24	UNIV OF N C AT CHAP HILL	34,805	0	389	720	763	352	347	27,435	0	15	3,970	0	14
25	WASHINGTON UNIV	33,548	0	265	10	1,168	0	20	29,153	0	817	2,115	0	0
26	UNIV OF UTAH	32,342	2	1,445	168	2,048	0	219	24,079	417	1,032	2,719	111	110
27	UNIV OF SOUTHERN CAL	31,694	0	164	651	3,228	0	440	23,106	0	822	2,677	400	170
28	YESHIVA UNIV	29,959	0	66	0	655	402	0	27,613	24	0	1,198	0	8
29	UNIV OF PITTSBURGH	29,701	0	366	0	1,167	0	78	23,453	149	639	3,881	0	48
30	PENNSYLVANIA STATE UNIV	28,831	8,090	246	62	1,183	0	459	13,355	756	747	1,669	159	101
31	MICHIGAN STATE UNIV	28,349	6,393	1,598	0	164	0	419	14,164	278	321	4,878	0	150
32	PURDUE UNIV	27,495	5,654	1,145	137	2,026	68	160	8,542	348	1,438	7,373	208	812
33	UNIV OF MIAMI	27,830	0	316	1,569	2,896	579	166	17,706	0	260	4,182	236	0
34	UNIV OF FLORIDA	27,552	4,295	496	57	2,143	485	653	16,206	181	435	2,447	0	194
35	UNIV OF ROCHESTER	27,531	0	4,783	0	1,544	0	5	17,588	0	127	3,184	205	175
36	U OF ALA IN BIRMINGHAM	26,877	0	0	0	210	0	7	25,507	0	0	353	0	0
37	CASE WESTERN RESERVE UNIV	25,378	8	656	0	1,422	0	39	19,241	114	671	3,088	0	147
38	UNIV OF IOWA	24,864	11	52	16	641	0	0	20,417	141	1,769	1,441	111	265
39	UNIV OF ARIZONA	23,011	2,224	293	6	2,298	297	199	13,131	335	1,782	2,368	0	86
40	UNIV OF TEXAS AT AUSTIN	22,761	0	1,087	27	5,358	212	189	9,595	32	1,239	4,673	154	195
41	UNIV OF HAWAII	22,451	1,376	634	1,290	1,641	0	0	11,155	164	2,198	1,758	0	235
42	UNIV OF CAL DAVIS	22,389	1,816	1,936	0	323	0	189	15,312	114	191	3,356	0	32
43	NORTHWESTERN UNIV	21,829	0	105	0	798	357	393	15,417	0	217	4,203	336	3
44	TEXAS A & M UNIV	21,301	11,501	681	1,640	1,430	0	259	2,056	211	764	2,483	356	0
45	UNIV OF KANSAS	21,113	0	186	0	154	0	0	17,997	0	794	1,982	0	0
46	UNIV OF KENTUCKY	21,086	7,636	37	0	172	0	17	11,751	242	521	610	100	0
47	VANDERBILT UNIV	20,872	0	139	0	151	0	142	17,724	0	100	2,616	0	0
48	UNIV OF MISSOURI COLUMBIA	20,632	6,253	72	6	502	114	138	11,740	181	191	1,347	0	86
49	BOSTON UNIV	20,478	0	0	0	413	0	0	19,594	0	97	353	28	1
50	RUTGERS UNIVERSITY	20,872	2,824	58	49	367	0	285	14,180	172	30	2,073	32	2
51	CAL INST OF TECH	19,988	0	2,189	3	2,899	0	87	6,024	145	3,498	5,863	0	0
52	TEMPLE UNIV	19,829	0	62	0	284	0	7	18,663	0	33	788	0	72
53	WOODS HOLE OCEAN INST	19,527	0	455	489	7,585	0	146	131	0	127	10,594	0	0
54	UNIV OF NEW MEXICO	18,597	10	67	0	1,167	21	0	15,203	0	537	748	224	628
55	PRINCETON UNIV	18,438	0	2,025	851	2,312	0	198	4,516	0	2,975	5,023	526	12
56	UNIV OF MD COLLEGE PARK	17,764	2,815	1,992	85	1,111	237	35	4,395	150	2,276	4,668	0	0
57	INDIANA UNIV-BLOOMINGTON	17,573	0	177	0	351	29	136	11,135	83	488	5,058	0	116
58	UNIV OF GEORGIA	17,261	7,217	537	0	288	0	86	6,858	19	16	2,223	0	17
59	BAYLOR COL OF MEDICINE	17,155	0	0	0	107	0	100	16,518	0	368	62	0	0
60	COLORADO STATE UNIV	16,951	2,818	223	135	561	0	208	5,046	837	653	5,387	0	1,083
61	OREGON STATE UNIV	16,879	2,959	467	1,759	1,070	0	648	5,267	256	271	3,963	0	219
62	SUNY ST U BUFFALO	16,844	0	117	0	78	0	0	15,000	0	185	1,464	0	0
63	UNIV OF TENN AT KNOXVILLE	16,817	6,925	1,520	0	465	65	29	6,416	378	256	753	0	10
64	N C STATE UNIV AT RALEIGH	16,439	9,885	336	0	360	0	259	3,425	230	273	1,165	234	272
65	UNIV OF VIRGINIA	16,174	0	787	33	722	0	38	12,250	61	478	1,885	0	0
66	GEORGETOWN UNIV	15,715	45	39	0	482	0	188	14,418	2	30	645	0	2
67	GEORGE WASHINGTON UNIV	15,385	0	21	0	1,599	0	187	11,552	0	956	824	0	246
68	UNIV OF CINCINNATI	15,211	0	55	0	772	0	583	13,043	0	193	645	0	0
69	TULANE UNIV	14,791	0	20	0	233	51	24	13,467	0	154	882	35	5
70	U TEX MD ANDRSON HOSPITAL	14,636	0	61	0	86	0	0	14,388	0	76	125	0	0
71	WAYNE STATE UNIV	14,461	0	141	0	544	0	0	12,584	0	15	1,135	40	0
72	UNIV OF CONNECTICUT	14,323	1,521	83	85	357	0	68	10,585	157	247	1,220	0	0
73	EMORY UNIV	14,139	0	76	0	92	0	5	13,122	0	182	662	0	0
74	INDIANA UNIV-INDIANAPOLIS	13,730	0	0	0	0	0	0	12,231	0	0	192	1,307	0
75	UNIV OF OKLAHOMA	13,371	0	42	106	440	0	197	10,914	119	76	1,387	98	0

75	WEHARRY MEDICAL COL	13,358	0	2	0	0	0	0	13,358	0	0	0	0	0
77	UNIV OF ILLINOIS-MED CTR	13,111	0	0	0	0	0	0	13,093	0	0	18	0	0
78	UNIV OF NEBRASKA-LINCOLN	12,966	3,701	44	20	78	0	0	7,995	186	199	739	0	0
79	TUFTS UNIV	12,905	0	315	0	110	157	0	11,599	0	27	697	0	0
80	GALLAUDEY COL	12,746	0	0	0	0	0	0	12,657	0	0	87	0	0
81	FLORIDA STATE UNIV	12,614	0	941	471	559	0	7	6,127	119	124	3,550	147	507
82	IOWA ST U OF SCIENCE&TECH	12,275	5,675	155	5	124	0	95	3,818	285	60	1,465	192	0
83	CUNY MT SINAI SCH OF MED	12,274	0	12	0	149	0	0	11,899	0	17	177	0	0
84	UNIV-MASS AMHERST CAMPUS	12,253	2,639	226	0	668	0	248	5,505	220	284	2,451	0	0
85	OKLAHOMA STATE UNIV	12,158	4,500	15	0	1,252	0	178	4,446	149	779	612	27	0
86	UNIV OF MD, BALTIMORE	12,075	0	0	0	966	0	0	11,057	0	48	4	0	0
87	NEW MEXICO STATE UNIV	11,641	2,148	5	0	3,745	0	0	1,451	423	1,595	304	0	0
88	WEST VIRGINIA UNIV	11,675	3,670	9	36	74	0	294	6,219	611	97	269	170	75
89	U TEX SW MED SCH DALLAS	11,554	0	7	0	191	0	0	11,237	0	77	42	0	0
90	UNIV OF OREGON - EUGENE	11,453	0	222	0	269	249	0	8,478	0	164	1,992	0	79
91	LA ST UNIV BATON ROUGE	11,392	5,668	112	721	777	0	243	2,248	130	364	1,157	0	0
92	AUBURN UNIV	11,199	6,722	1	9	584	0	26	2,814	269	568	266	0	0
93	VIRGINIA POLYTECHNIC INST	11,184	6,123	61	73	629	0	75	1,827	611	549	1,193	443	0
94	UNIV OF MISSISSIPPI	11,057	168	20	70	166	0	0	9,794	0	15	834	0	0
95	ST LOUIS UNIV	10,920	0	0	10	384	197	0	9,710	0	10	417	0	172
96	ROCKEFELLER UNIV	10,769	0	71	0	149	0	0	9,396	0	0	1,115	0	0
97	UNIV OF ARK FAYETTEVILLE	10,671	5,128	84	101	0	0	16	4,185	162	4	767	0	0
98	UTAH STATE UNIV	10,401	1,755	52	27	2,201	0	178	2,355	879	40	2,022	200	692
99	MISSISSIPPI STATE UNIV	10,363	6,967	0	5	42	0	518	2,746	122	132	291	0	0
100	UNIV OF ALASKA	10,360	1,060	247	527	1,097	0	116	1,606	212	670	2,895	0	0

* INCLUDES ATO, HUD, AND EARRP
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-11

FEDERAL OBLIGATIONS FOR ACADEMIC SCIENCE TO THE 100 UNIVERSITIES
AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	AEC	CON	DOD	OEI	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
TOTAL, ALL INSTITUTIONS		2,598,989	238,555	95,267	26,021	243,884	8,257	23,284	1,318,436	24,252	119,000	454,678	15,874	27,481
TOTAL, 100 INSTITUTIONS		2,119,694	196,217	83,577	20,935	207,546	6,271	17,272	1,073,969	15,246	103,240	362,382	12,627	20,812
1	MASS INST OF TECH	111,551	18	7,254	1,117	46,797	0	560	13,995	275	20,088	18,557	1,413	1,185
2	UNIV OF WASHINGTON	58,835	214	2,505	2,071	5,412	0	596	35,878	147	980	10,845	176	11
3	HARVARD UNIV	58,625	25	1,834	95	2,474	405	493	38,805	0	4,487	9,181	165	661
4	STANFORD UNIV	58,318	0	619	8	8,560	0	242	30,169	173	3,579	14,838	115	17
5	UNIV OF MICHIGAN	55,482	141	2,288	1,136	8,131	590	617	26,096	23	5,414	8,772	1,025	1,249
6	COLUMBIA UNIV	55,007	10	3,545	405	5,020	127	40	29,019	81	2,797	13,313	78	580
7	UNIV OF CAL SAN DIEGO	54,999	0	1,639	224	10,949	0	128	15,324	0	4,688	21,952	55	0
8	UNIV OF CAL LOS ANGELES	54,372	0	4,772	0	4,117	312	143	35,808	320	1,573	6,343	772	172
9	UNIV OF WIS-MADISON	53,878	5,471	2,731	1,780	2,424	2,815	631	26,425	354	2,410	4,807	0	30
10	UNIV OF CAL BERKELEY	50,855	6,578	632	187	5,755	1,141	403	17,599	650	4,111	13,309	368	172
11	UNIV OF MINNESOTA	49,794	5,478	1,440	0	2,056	0	737	28,790	547	2,590	4,541	115	3,500
12	JOHNS HOPKINS UNIV	46,070	0	1,022	254	1,731	0	84	34,215	0	2,803	3,211	0	2,750
13	CORNELL UNIV	43,161	7,714	1,415	24	2,047	0	645	16,217	295	972	12,671	0	1,160
14	UNIV OF CHICAGO	39,097	0	4,196	158	964	0	84	21,831	0	2,805	4,802	0	177
15	UNIV OF ILLINOIS-URBANA	39,042	6,910	3,568	55	6,432	0	733	8,484	339	1,053	11,086	238	144
16	UNIV OF PENNSYLVANIA	37,897	55	1,564	47	1,979	292	47	26,594	197	132	6,688	178	124
17	YALE UNIV	37,846	0	2,888	0	2,602	0	12	26,564	71	273	5,246	0	193
18	NEW YORK UNIV	36,394	0	2,094	70	2,022	0	276	26,318	70	637	4,625	122	156
19	OHIO STATE UNIV	33,718	7,497	440	43	3,232	0	321	16,391	213	504	3,477	283	1,273
20	DUKE UNIV	31,578	0	838	15	1,927	0	102	25,577	7	145	2,949	0	7
21	WASHINGTON UNIV	28,709	0	255	10	1,168	0	28	24,314	0	817	2,115	0	0
22	UNIV OF CAL SAN FRANCISCO	27,212	0	461	0	301	0	0	25,656	0	186	208	0	0
23	UNIV OF COLORADO	25,959	10	827	838	953	0	137	15,239	245	2,681	4,979	50	0
24	UNIV OF SOUTHERN CAL	25,188	0	164	651	3,228	0	488	16,588	0	822	2,677	400	170
25	PURDUE UNIV	24,923	5,654	1,145	137	2,026	60	160	5,570	348	1,434	7,373	200	812
26	PENNSYLVANIA STATE UNIV	24,621	8,090	246	62	1,183	0	459	9,149	756	747	1,669	159	101
27	YESHIVA UNIV	24,443	0	66	0	655	0	0	22,588	24	0	1,190	0	0
28	UNIV OF N C AT CHAP HILL	23,625	0	389	728	763	0	347	17,487	0	15	3,970	0	14
29	UNIV OF ROCHESTER	23,297	0	4,781	0	1,544	0	5	13,354	0	127	1,104	205	175
30	UNIV OF UTAH	21,621	2	1,445	168	2,040	0	219	13,358	417	1,032	2,719	111	110
31	UNIV OF FLORIDA	21,235	4,295	496	57	2,183	0	653	10,294	181	435	2,447	0	194
32	CASE WESTERN RESERVE UNIV	20,548	8	656	0	1,422	0	39	14,403	114	671	3,040	0	147
33	TEXAS A & M UNIV	20,360	11,501	681	1,640	1,430	0	259	1,115	211	764	2,403	356	0
34	MICHIGAN STATE UNIV	20,217	6,393	1,594	0	164	0	419	6,832	270	321	4,870	0	150
35	CAL INST OF TECH	19,806	0	2,189	3	2,099	0	87	5,922	145	3,498	5,863	0	0
36	WOODS HOLE OCEAN INST	19,527	0	455	489	7,585	0	146	131	0	127	10,594	0	0
37	UNIV OF MIAMI	19,266	0	316	1,569	2,896	0	156	9,721	0	269	4,102	236	0
38	UNIV OF PITTSBURGH	19,201	0	366	0	1,167	0	78	12,953	149	639	3,801	0	48
39	UNIV OF TEXAS AT AUSTIN	19,128	0	1,087	27	5,358	212	189	5,962	32	1,239	4,673	154	195
40	UNIV OF CAL DAVIS	18,986	1,816	1,936	0	323	0	109	11,989	114	191	1,356	0	32
41	NORTHWESTERN UNIV	17,355	0	105	0	788	0	393	11,300	0	217	4,203	336	3
42	U OF ALA IN BIRMINGHAM	17,191	0	0	0	210	0	7	16,621	0	0	353	0	0
43	PRINCETON UNIV	17,180	0	2,025	851	2,312	0	198	3,258	0	2,975	5,023	526	12
44	UNIV OF IOWA	16,457	11	52	16	641	0	0	12,010	141	1,769	1,441	111	265
45	UNIV OF HAWAII	16,431	1,376	634	1,298	1,641	0	0	5,135	164	2,194	3,758	0	235
46	VANDERBILT UNIV	15,986	0	139	0	151	0	142	12,838	0	100	2,616	0	0
47	N C STATE UNIV AT RALEIGH	15,697	9,885	336	0	360	0	259	2,683	230	271	1,165	234	272
48	UNIV OF MISSOURI COLUMBIA	15,491	6,253	72	6	502	0	134	6,713	181	193	1,347	0	86
49	UNIV OF MD COLLEGE PARK	14,999	2,815	1,992	85	1,111	237	35	1,610	150	2,276	4,658	0	0
50	OREGON STATE UNIV	14,803	2,959	467	1,759	1,070	0	648	3,193	254	271	3,963	0	219
51	UNIV OF ARIZONA	14,792	2,224	293	6	2,298	0	199	5,209	335	1,782	2,360	0	86
52	U TEX MD ANDRSON HOSP/TUM	14,475	0	61	0	66	0	0	14,147	0	76	125	0	0
53	UNIV OF KANSAS	14,163	0	186	0	154	0	0	11,047	0	794	1,982	0	0
54	COLORADO STATE UNIV	13,948	2,818	223	135	561	0	208	2,078	802	653	5,387	0	1,083
55	UNIV OF GEORGIA	13,882	7,217	537	0	288	0	86	3,479	19	16	2,223	0	17
56	BAYLOR COL OF MEDICINE	13,721	0	0	0	107	0	100	13,084	0	368	62	0	0
57	UNIV OF KENTUCKY	13,646	7,636	37	0	172	0	17	4,311	242	521	610	100	0
58	ROSTON UNIV	13,585	0	0	0	413	0	0	12,701	0	97	353	20	1
59	RUTGERS UNIVERSITY	12,794	2,874	58	49	367	0	285	6,906	172	30	2,073	32	2
60	UNIV OF TENN AT KNOXVILLE	12,686	6,925	1,520	0	465	0	29	2,350	378	256	753	0	10
61	TEMPLE UNIV	12,344	0	62	0	204	0	7	11,178	0	31	788	0	72
62	INDIANA UNIV-BLOOMINGTON	11,824	0	177	0	351	29	136	5,386	43	484	5,054	0	116
63	UNIV OF VIRGINIA	11,567	0	787	33	722	0	38	7,643	61	478	1,805	0	0
64	CUNY MT SINAI SCH OF MED	11,406	0	32	0	149	0	0	11,031	0	17	177	0	0
65	GEORGE WASHINGTON UNIV	11,236	0	21	0	1,599	0	187	7,403	0	955	824	0	246
66	SUNY ST U BUFFALO	11,200	0	117	0	78	0	0	9,356	0	185	1,464	0	0
67	TULANE UNIV	10,796	0	20	9	233	51	24	9,472	0	154	802	35	5
68	ROCKEFELLER UNIV	10,769	0	71	0	189	0	0	9,394	0	0	1,115	0	0
69	EMORY UNIV	10,689	0	76	0	92	0	5	9,672	0	182	662	0	0
70	VIRGINIA POLYTECHNIC INST	10,252	6,123	61	73	429	0	75	895	411	549	1,193	443	0
71	LA ST UNIV BATON ROUGE	10,031	5,668	112	721	777	0	243	887	100	366	1,157	0	0
72	IOWA ST U OF SCIENCE & TECH	10,009	5,675	155	6	124	0	95	1,552	245	60	1,865	192	0
73	UNIV OF CINCINNATI	9,895	0	55	0	772	0	503	7,727	0	193	645	0	0
74	UNIV OF CONNECTICUT	9,887	1,521	83	85	357	0	68	6,149	157	247	1,220	0	0
75	NEW MEXICO STATE UNIV	9,758	2,148	5	0	3,745	0	0	1,538	423	1,595	304	0	0

RANK	BY AMOUNT RECEIVED	TOTAL	USDA	AEC	COM	DOO	DEO	EPA	HEW	INTL	NSA	NSF	NSC	NSF	NSF
76	CARNEGIE MELLON UNIV	9,739	0	1,509	0	2,897	0	6	1,372	0	139	3,681	135	4	
77	UNIV OF ARK FAYETTEVILLE	9,712	5,328	88	101	0	0	36	3,226	162	4	767	0	0	
78	UNIV OF ALASKA	9,657	1,060	247	527	3,097	0	116	903	232	670	2,405	0	0	
79	FLORIDA STATE UNIV	9,535	0	983	471	559	0	7	3,048	139	124	3,550	147	507	
80	BROWN UNIV	9,450	0	592	100	879	0	0	3,558	60	204	4,057	0	0	
81	UNIV OF NEW MEXICO	9,364	10	67	0	1,167	0	0	5,991	0	537	740	224	628	
82	AUBURN UNIV	9,191	6,722	1	9	584	0	26	806	269	568	206	0	0	
83	UNIV-MASS AMHERST CAMPUS	8,920	2,639	228	0	668	0	248	2,172	220	284	2,461	0	0	
84	U TEX SW MED SCH DALLAS	8,833	0	7	0	191	0	0	8,516	0	77	42	0	0	
85	OKLAHOMA STATE UNIV	8,806	4,500	15	0	1,252	0	178	1,094	149	779	812	27	0	
86	UNIV OF NEBRASKA-LINCOLN	8,504	3,781	44	20	78	0	0	3,533	186	199	739	0	0	
87	UTAH STATE UNIV	8,496	1,755	52	27	2,201	0	174	450	879	40	2,022	200	692	
88	MISSISSIPPI STATE UNIV	8,311	6,967	0	5	42	0	518	234	122	132	291	0	0	
89	UNIV OF OREGON - EUGENE	8,022	0	222	0	269	0	0	5,296	0	164	1,992	0	79	
90	WEST VIRGINIA UNIV	7,767	3,670	0	36	74	0	294	2,311	611	57	269	370	75	
91	UNIV OF MD, BALTIMORE	7,575	0	0	0	966	0	0	6,557	0	44	4	0	0	
92	INDIANA UNIV-INDIANAPOLIS	7,552	0	0	0	0	0	0	6,053	0	0	192	1,307	0	
93	WAYNE STATE UNIV	7,524	0	143	0	544	0	0	5,647	0	15	1,135	40	0	
94	TUFTS UNIV	7,233	0	315	0	310	0	0	6,084	0	27	497	0	0	
95	SYRACUSE UNIV	7,115	122	144	0	1,275	0	4	3,156	35	58	2,149	172	0	
96	WASHINGTON STATE UNIV	7,099	3,319	224	0	70	0	177	1,959	263	0	1,087	0	0	
97	GEORGIA INST OF TECH	7,070	0	318	146	2,612	0	176	991	274	626	1,067	860	0	
98	UNIV OF VERMONT	6,974	1,410	21	0	376	0	45	4,581	100	15	284	146	0	
99	GEORGETOWN UNIV	6,963	45	39	0	482	0	100	5,658	2	30	505	0	2	
100	KANSAS STATE UNIV	6,954	3,819	476	0	256	0	72	1,113	187	23	818	4	186	

* INCLUDES AID, HUD, AND LABOR
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE D-12 FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO THE 100 UNIVERSITIES
AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	AEC	COM	DOD	DOE	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
TOTAL, ALL INSTITUTIONS		1,452,963	88,566	46,746	23,591	243,844	8,257	17,709	879,278	23,045	112,426	334,722	12,413	22,286
TOTAL, 100 INSTITUTIONS		1,579,547	57,718	77,860	20,116	212,929	6,620	12,165	759,787	13,306	97,701	299,091	9,782	16,912
1	MASS INST OF TECH	134,887	10	6,291	1,087	46,797	0	655	11,533	275	19,978	16,358	1,413	485
2	UNIV OF CAL SAN DIEGO	50,027	0	1,639	274	10,989	0	128	12,044	0	4,687	20,261	55	0
3	UNIV OF WASHINGTON	48,241	214	2,222	2,071	5,412	0	505	26,715	147	983	9,953	11	11
4	STANFORD UNIV	48,216	0	570	0	8,560	0	59	22,946	173	1,311	12,520	0	17
5	COLUMBIA UNIV	45,493	10	1,429	405	5,020	127	27	20,871	41	2,756	12,117	70	580
6	HARVARD UNIV	44,450	25	1,714	95	2,474	405	140	27,454	0	4,452	7,627	165	661
7	UNIV OF MICHIGAN	44,441	141	2,114	1,072	8,131	570	121	17,242	23	5,333	7,705	1,025	784
8	UNIV OF CAL LOS ANGELES	41,929	0	4,490	0	4,117	112	143	24,631	315	1,573	5,565	611	172
9	UNIV OF WIS-MADISON	40,943	1,961	2,652	1,740	2,424	2,815	459	18,710	323	2,410	7,379	0	30
10	UNIV OF CAL BERKELEY	37,455	1,410	542	107	5,785	1,141	136	12,422	653	4,111	10,359	360	172
11	UNIV OF MINNESOTA	36,453	1,999	1,474	0	2,056	0	560	19,972	518	2,593	1,822	0	3,500
12	JOHNS HOPKINS UNIV	35,535	0	1,022	214	1,731	0	24	24,156	0	2,803	2,835	0	2,750
13	UNIV OF CHICAGO	31,079	0	3,965	158	964	0	84	14,924	0	2,805	8,002	0	177
14	CORNELL UNIV	31,034	2,231	1,332	24	2,047	0	522	11,415	257	972	11,654	0	580
15	UNIV OF PENNSYLVANIA	28,379	55	1,408	47	1,979	292	47	17,799	197	132	6,195	104	124
16	UNIV OF ILLINOIS-URBANA	28,253	2,091	3,340	55	6,432	0	560	5,720	306	651	8,698	156	144
17	YALE UNIV	27,526	0	2,780	0	2,502	0	0	17,311	71	273	4,279	0	193
18	OHIO STATE UNIV	27,069	2,217	433	43	3,232	0	118	12,344	183	500	2,348	158	1,273
19	NEW YORK UNIV	23,045	0	2,360	70	2,022	0	164	15,230	70	637	2,514	122	156
20	WASHINGTON UNIV	21,752	0	255	10	1,168	0	0	17,580	0	817	1,912	0	0
21	UNIV OF CAL SAN FRANCISCO	20,382	0	744	0	331	0	0	18,972	0	185	179	0	0
22	UNIV OF SOUTHERN CAL	20,027	0	149	651	3,228	0	136	12,691	0	459	2,210	333	170
23	UNIV OF COLORADO	19,926	10	876	829	953	0	132	10,722	245	2,681	3,528	0	0
24	YESHIVA UNIV	19,064	0	66	0	655	0	0	17,325	24	0	998	0	0
25	UNIV OF ROCHESTER	18,371	0	4,455	0	1,544	0	5	3,141	0	127	2,719	205	175
26	DJKE UNIV	17,764	0	782	15	1,927	0	102	12,910	7	145	1,873	0	7
27	CAL INST OF TECH	17,467	0	2,184	0	2,099	0	87	4,842	145	3,494	4,612	0	0
28	UNIV OF UTAH	17,312	2	1,203	164	2,340	0	214	9,449	417	1,032	2,320	111	110
29	UNIV OF NC AT CHAP HILL	16,811	0	189	720	763	0	92	11,309	0	15	1,509	0	14
30	PURDUE UNIV	16,627	2,317	1,073	34	2,026	60	62	3,595	324	1,438	5,366	50	562
31	UNIV OF MIAMI	16,605	0	315	1,461	2,896	0	166	7,551	0	263	3,719	236	0
32	WOODS HOLE OCEAN INST	16,372	0	455	468	7,545	0	146	111	0	127	7,460	0	0
33	PENNSYLVANIA STATE UNIV	15,943	2,412	144	62	1,183	0	275	7,515	732	747	2,695	79	101
34	UNIV OF CAL DAVIS	15,734	968	1,725	0	323	0	97	9,251	114	191	1,032	0	32
35	CASE WESTERN RESERVE UNIV	14,833	8	653	0	1,422	0	34	9,184	114	565	2,706	0	147
36	UNIV OF TEXAS AT AUSTIN	14,793	0	1,051	27	5,158	712	73	3,280	32	1,239	1,326	0	195
37	PRINCETON UNIV	14,456	0	1,864	88	2,312	0	194	2,515	0	2,903	4,184	376	12
38	UNIV OF FLORIDA	13,561	1,314	444	57	2,183	0	466	6,329	157	385	2,020	0	194
39	UNIV OF PITTSBURGH	13,197	0	360	0	1,157	0	13	8,676	149	504	2,240	0	48
40	NORTHWESTERN UNIV	13,026	0	102	0	798	0	192	7,894	0	237	3,672	158	3
41	UNIV OF HAWAII	12,977	590	626	1,259	1,641	0	0	3,551	127	2,073	3,060	0	0
42	UNIV OF ALA IN BIRMINGHAM	12,966	0	0	0	210	0	7	12,557	0	0	192	0	0
43	OREGON STATE UNIV	11,697	1,410	459	1,742	1,070	0	449	2,512	231	271	1,274	0	219
44	UNIV OF MD COLLEGE PARK	11,675	1,356	1,843	39	1,111	237	0	1,042	131	2,274	1,905	0	0
45	BAYLOR COL OF MEDICINE	11,291	0	0	0	137	0	100	10,688	0	364	28	0	0
46	UNIV OF IOWA	11,274	11	49	0	641	0	0	8,023	141	1,729	684	0	0
47	MICHIGAN STATE UNIV	11,270	2,014	1,502	0	164	0	289	1,777	242	321	2,413	0	150
48	VANDERBILT UNIV	11,142	0	131	0	151	0	33	9,748	0	102	1,009	0	0
49	COLORADO STATE UNIV	10,799	1,292	217	129	561	0	174	4,585	769	625	4,359	0	1,083
50	UNIV OF ARIZONA	10,649	1,047	213	6	2,298	0	192	2,950	324	1,675	1,847	0	86
51	TEXAS A & M UNIV	10,640	3,020	438	1,425	1,430	0	202	859	175	764	1,975	152	0
52	UNIV OF KANSAS	9,663	0	125	0	154	0	0	6,892	0	794	1,714	0	0
53	TEMPLE UNIV	9,419	0	62	0	204	0	0	8,543	0	33	465	0	72
54	GEORGE WASHINGTON UNIV	9,244	0	21	0	1,599	0	181	6,094	0	553	573	0	246
55	ROCKEFELLER UNIV	9,203	0	71	0	185	0	0	8,057	0	0	886	0	0
56	SUNY MT SINAI SCH OF MED	8,922	0	32	0	149	0	0	8,547	0	17	177	0	0
57	RUTGERS UNIV	8,744	0	0	0	413	0	0	7,947	0	97	270	20	1
58	RUTGERS UNIVERSITY	8,526	1,111	57	19	367	0	137	4,888	136	33	1,727	32	2
59	CARNegie MELLON UNIV	8,469	0	1,525	0	2,497	0	0	1,134	0	139	2,755	15	4
60	UNIV OF ALASKA	8,419	638	247	480	3,197	0	115	771	205	386	2,519	0	0
61	UNIV OF ARIZONA HOSPITAL	8,316	0	41	0	64	0	0	8,044	0	16	125	0	0
62	SUNY ST U BUFFALO	8,224	0	117	0	74	0	0	6,766	0	185	1,062	0	0
63	BROWN UNIV	8,197	0	472	107	879	0	0	7,624	60	204	3,734	0	0
64	UNIV OF VIRGINIA	8,137	0	722	10	722	0	38	4,752	51	475	1,386	0	0
65	UNIV OF MISSOURI COLUMBIA	8,105	1,998	0	6	502	0	83	4,427	162	193	654	0	86
66	NC STATE UNIV AT RALEIGH	7,950	3,147	305	0	360	0	246	2,051	224	271	413	119	272
67	EMORY UNIV	7,790	0	76	0	92	0	0	7,152	0	182	288	0	0
68	INDIANA UNIV-BLOOMINGTON	7,659	0	177	0	351	29	136	3,973	93	244	2,550	0	116
69	TULANE UNIV	7,525	0	19	0	233	51	24	6,167	0	154	652	0	5

70 UNIV OF GEORGIA	7,313	2,192	521	0	288	3	84	2,519	19	15	1,652	0	17
71 UNIV OF KENTUCKY	7,004	2,996	12	0	172	0	0	2,523	241	521	419	100	0
72 UTAH STATE UNIV	6,985	872	37	27	2,201	3	155	288	858	43	1,615	208	692
73 NEW MEXICO STATE UNIV	6,865	953	0	0	3,765	0	0	1,369	392	395	130	0	0
74 U TEX SW MED SCH DALLAS	6,699	0	7	0	191	0	0	6,182	3	77	42	0	0
75 UNIV OF CONNECTICUT	6,655	523	81	84	357	3	68	4,137	137	92	1,993	0	0
76 UNIV OF PENNSYLVANIA	6,647	0	95	0	777	3	487	4,738	0	181	232	0	0
77 UNIV-PAGE ARMEDST CAMPUS	6,282	977	228	0	668	3	141	1,431	193	284	2,258	0	0
78 GEORGIA INST OF TECH	6,196	0	741	144	2,517	0	91	611	269	681	781	868	0
79 UNIV OF TENN AT KNOXVILLE	6,497	1,944	1,345	0	665	0	0	1,114	358	227	473	0	18
80 INDIANA UNIV-INDIANAPOLIS	6,748	0	3	0	0	0	0	6,335	0	0	118	1,387	0
81 UNIV OF TORONTO - ECKHART	6,649	0	225	0	249	3	3	3,271	3	164	1,668	0	79
82 IDAH ST U OF SCIENCE&TECH	6,547	2,111	11	4	124	5	72	1,146	273	63	1,594	192	0
83 UNIV OF MD, BALTIMORE	6,591	0	3	2	966	9	0	4,577	0	49	0	0	0
84 TUPES UNIV	6,535	0	115	3	310	3	3	4,517	0	27	366	0	0
85 ILLINOIS INST OF TECH	6,496	0	147	0	142	0	29	6,679	0	61	676	141	0
86 VIRGINIA POLYTECHNIC INST	6,677	1,845	42	71	429	0	3	764	396	549	1,071	328	0
87 UNIV OF MICHIGAN-LIVESTON	6,663	1,626	64	20	78	0	0	2,881	159	193	652	0	0
88 UNIV OF MICHIGAN	6,148	519	15	1,191	1,153	3	194	392	132	3	1,759	13	0
89 LA ST UNIV NATON STUDE	6,291	2,314	112	771	777	3	237	245	62	366	717	0	0
90 ST LOUIS UNIV	6,173	0	0	0	344	197	3	4,113	0	13	320	0	172
91 SUNY ST U STONY BROOK	6,161	0	619	3	97	0	0	1,054	0	493	2,786	0	0
92 OKLAHOMA UNIV	6,162	45	39	0	482	0	122	3,994	2	33	468	0	2
93 FLORIDA STATE UNIV	6,152	0	942	471	559	3	0	1,199	139	124	1,671	0	7
94 UNIV OF DAYTON	6,084	0	0	0	6,828	3	31	28	0	64	63	0	0
95 UNIV OF NEBRASKA	6,034	0	0	35	2,463	9	0	816	369	271	732	103	0
96 UNIV OF VERMONT	6,021	508	21	3	376	0	45	1,696	79	16	62	142	0
97 SUNY ST U ALBANY	6,741	76	44	5	318	142	71	1,262	0	0	838	0	12
98 UNIV OF ARK STATEVILLE	6,648	1,791	44	191	0	3	16	2,372	149	0	197	0	0
99 MAINE STATE UNIV	6,579	0	141	0	544	3	3	1,136	0	14	731	48	0
100 NEW YORK MEDICAL COL	6,576	0	0	0	134	0	0	1,933	0	3	488	0	0

* INCLUDES BFF, HJD, AND LARRY
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-13 FEDERAL OBLIGATIONS FOR FELLOWSHIPS, TRAINEESHIPS, AND TRAINING GRANTS TO THE 100 UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1972 (DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	AEC	COM	DOJ	DOE	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
	TOTAL, ALL INSTITUTIONS	187,949	0	2,004	191	0	0	5,575	346,644	0	1,071	28,752	3,461	0
	TOTAL, 100 INSTITUTIONS	113,207	0	1,397	0	0	0	4,028	284,525	0	446	20,342	2,269	0
1	HARVARD UNIV	11,673	0	0	0	0	0	193	10,243	0	0	1,277	0	0
2	UNIV OF WASHINGTON	9,209	0	258	0	0	0	91	8,343	0	0	372	165	0
3	JOHNS HOPKINS UNIV	8,009	0	0	0	0	0	60	8,772	0	0	171	0	0
4	UNIV OF MICHIGAN	8,879	0	90	0	0	0	296	7,757	0	0	715	0	0
5	STANFORD UNIV	9,504	0	49	0	0	0	183	8,663	0	248	1,245	115	0
6	UNIV OF MINNESOTA	8,449	0	4	0	0	0	177	7,735	0	0	397	115	0
7	UNIV OF PENNSYLVANIA	8,169	0	1	0	0	0	0	7,928	0	0	265	74	0
8	YALE UNIV	7,742	0	0	0	0	0	12	6,951	0	0	779	0	0
9	COLUMBIA UNIV	7,742	0	19	0	0	0	13	7,189	0	0	321	0	0
10	UNIV OF CAL LOS ANGELES	7,610	0	24	0	0	0	0	7,119	0	0	335	161	0
11	UNIV OF WIS-MADISON	7,557	0	16	0	0	0	172	6,735	0	0	644	0	0
12	NEW YORK UNIV	7,009	0	0	0	0	0	112	6,704	0	0	183	0	0
13	UNIV OF CHICAGO	6,944	0	3	0	0	0	0	6,431	0	0	450	0	0
14	WASHINGTON UNIV	6,455	0	0	0	0	0	20	6,290	0	0	145	0	0
15	DUKE UNIV	6,135	0	0	0	0	0	0	6,248	0	0	147	0	0
16	UNIV OF CAL BERKELEY	5,202	0	18	0	0	0	7	4,833	0	0	1,316	8	0
17	UNIV OF CAL SAN FRANCISCO	6,054	0	0	0	0	0	0	6,041	0	0	13	0	0
18	UNIV OF N C ST CHAS HILL	5,724	0	0	0	0	0	255	5,301	0	0	184	0	0
19	CASE WESTERN RESERVE UNIV	4,945	0	0	0	0	0	5	4,654	0	93	243	0	0
20	CORNELL UNIV	4,991	0	13	0	0	0	123	4,171	0	0	664	0	0
21	YERKES UNIV	4,799	0	0	0	0	0	0	4,774	0	0	25	0	0
22	BOSTON UNIV	4,619	0	0	0	0	0	0	4,373	0	0	46	0	0
23	UNIV OF CALIPAD	4,369	0	0	0	0	0	5	4,055	0	0	299	50	0
24	MASS INST OF TECH	4,018	0	126	0	0	0	5	2,281	0	0	1,606	0	0
25	UNIV OF ROCHESTER	3,992	0	78	0	0	0	0	3,734	0	0	170	0	0
26	UNIV OF SOUTHERN CAL	3,976	0	0	0	0	0	344	3,468	0	0	97	67	0
27	UNIV OF PITTSBURGH	3,920	0	6	0	0	0	65	3,701	0	0	148	0	0
28	OHIO STATE UNIV	3,760	0	30	0	0	0	3	3,291	0	0	311	125	0
29	UNIV OF FLORIDA	3,700	0	48	0	0	0	147	3,275	0	0	190	0	0
30	NORTHWESTERN UNIV	3,671	0	3	0	0	0	201	2,984	0	0	305	178	0
31	UNIV OF IOWA	3,658	0	3	0	0	0	0	3,388	0	0	156	111	0
32	UNIV OF KANSAS	3,471	0	41	0	0	0	0	3,256	0	0	164	0	0
33	UNIV OF UTAH	3,437	0	4	0	0	0	1	3,287	0	0	145	0	0
34	UNIV OF ILLINOIS-SPRINGFIELD	3,272	0	74	0	0	0	73	2,911	0	0	532	62	0
35	UNIV OF TEXAS AT AUSTIN	3,091	0	16	0	0	0	116	2,952	0	0	283	154	0
36	UNIV OF CAL SAN DIEGO	3,043	0	0	0	0	0	0	2,749	0	0	294	0	0
37	VANDERBILT UNIV	2,899	0	21	0	0	0	109	2,672	0	0	97	0	0
38	TULANE UNIV	2,845	0	1	0	0	0	0	2,750	0	0	59	35	0
39	UNIV OF VIRGINIA	2,685	0	23	0	0	0	0	2,590	0	0	72	0	0
40	UNIV OF CINCINNATI	2,682	0	0	0	0	0	96	2,538	0	0	48	0	0
41	MICHIGAN STATE UNIV	2,411	0	5	0	0	0	130	1,947	0	0	329	0	0
42	PURDUE UNIV	2,374	0	55	0	0	0	98	1,635	0	0	396	150	0
43	WAYNE STATE UNIV	2,321	0	0	0	0	0	0	2,221	0	0	100	0	0
44	TEMPLE UNIV	2,241	0	0	0	0	0	7	2,190	0	0	44	0	0
45	SMITH UNIV	2,210	0	0	0	0	0	5	2,147	0	0	58	0	0
46	UNIV OF ARIZONA	2,206	0	26	0	0	0	7	1,996	0	0	177	0	0
47	SUNY ST BUFFALO	2,169	0	0	0	0	0	0	2,078	0	0	91	0	0
48	UNIV OF MISSOURI COLUMBIA	2,163	0	17	0	0	0	55	1,948	0	0	143	0	0
49	UNIV OF WISCONSIN - EUGENE	2,080	0	0	0	0	0	0	1,954	0	0	126	0	0
50	FLORIDA STATE UNIV	2,066	0	1	0	0	0	7	1,782	0	0	129	147	0
51	UNIV OF CAL DAVIS	2,045	0	25	0	0	0	12	1,857	0	0	151	0	0
52	CATHOLIC UNIV OF AMERICA	2,042	0	0	0	0	0	0	1,890	0	105	47	0	0
53	BAYLOR COL OF MEDICINE	2,035	0	0	0	0	0	0	2,029	0	0	6	0	0
54	UTEX SW MED SCH DALLAS	2,010	0	0	0	0	0	0	2,010	0	0	0	0	0
55	RUTGERS UNIVERSITY	2,007	0	1	0	0	0	148	1,725	0	0	133	0	0
56	SUNY AT STATE SCH OF MED	1,942	0	0	0	0	0	0	1,942	0	0	0	0	0
57	UNIV OF OKLAHOMA	1,979	0	3	0	0	0	125	1,698	0	0	153	0	0
58	UNIV OF MARI	1,912	0	1	0	0	0	0	1,825	0	0	86	0	0
59	UNIV OF ILLINOIS-SPRINGFIELD	1,911	0	0	0	0	0	0	1,905	0	0	6	0	0
60	U OF ALA IN BIRMINGHAM	1,909	0	0	0	0	0	0	1,895	0	0	14	0	0
61	SYRACUSE UNIV	1,900	0	0	0	0	0	4	1,615	0	0	142	139	0
62	UNIV OF CONNECTICUT	1,796	0	0	0	0	0	0	1,723	0	0	73	0	0
63	U OREGON MEDICAL SCHOOL	1,754	0	0	0	0	0	0	1,758	0	0	0	0	0
64	UNIV OF MD BALTIMORE	1,722	0	0	0	0	0	0	1,722	0	0	0	0	0
65	PENNSYLVANIA STATE UNIV	1,699	0	30	0	0	0	104	1,177	0	0	228	40	0
66	VA COMMONWEALTH UNIV	1,638	0	0	0	0	0	0	1,611	0	0	27	0	0
67	INDIANA UNIV-BLOOMINGTON	1,570	0	0	0	0	0	0	1,129	0	0	241	0	0
68	TEACHERS COL	1,527	0	0	0	0	0	0	1,527	0	0	0	0	0
69	UNIV OF KENTUCKY	1,501	0	25	0	0	0	17	1,405	0	0	94	0	0

70 CAL INST OF TECH	1,483	0	5	0	0	0	0	980	0	0	498	0	0
71 BRANDEIS UNIV	1,477	0	0	0	0	0	0	1,404	0	0	73	0	0
72 HOWARD UNIV	1,460	0	0	0	0	0	66	1,381	0	0	13	0	0
73 PRINCETON UNIV	1,442	0	0	0	0	0	0	665	0	0	627	158	0
74 GEORGETOWN UNIV	1,428	0	0	0	0	0	0	1,361	0	0	67	0	0
75 UNIV OF HAWAII	1,425	0	0	0	0	0	0	1,296	0	0	129	0	0
76 INDIANA UNIV-INDIANAPOLIS	1,423	0	0	0	0	0	0	1,423	0	0	0	0	0
77 UNIV OF TENN AT KNOXVILLE	1,383	0	85	0	0	0	29	1,142	0	0	127	0	0
78 U OF TENN MED UNITS MEMPH	1,283	0	10	0	0	0	0	1,259	0	0	14	0	0
79 SUNY DOWNSTATE MED CTR	1,221	0	0	0	0	0	69	1,146	0	0	6	0	0
80 WEST VIRGINIA UNIV	1,195	0	0	0	0	0	16	1,098	0	0	81	0	0
81 TUFTS UNIV	1,160	0	0	0	0	0	0	1,093	0	0	67	0	0
82 ST LOUIS UNIV	1,102	0	0	0	0	0	0	1,076	0	0	26	0	0
83 THOS JEFFERSON UNIV HOSP	1,094	0	0	0	0	0	0	1,088	0	0	6	0	0
84 U TEX MD ANDRSON HOSPITUM	1,091	0	0	0	0	0	0	1,091	0	0	0	0	0
85 BOSTON COL	1,090	0	0	0	0	0	0	1,053	0	0	37	0	0
86 UNIV OF NEW MEXICO	1,087	0	67	0	0	0	0	961	0	0	59	0	0
87 GEORGE WASHINGTON UNIV	1,079	0	0	0	0	0	6	1,035	0	0	38	0	0
88 UNIV OF CAL IRVINE	1,030	0	0	0	0	0	0	958	0	0	72	0	0
89 UNIV OF GEORGIA	889	0	15	0	0	0	0	823	0	0	151	0	0
90 U TEX MED BRNCH GALVESTON	852	0	0	0	0	0	0	852	0	0	0	0	0
91 UNIV OF WIS-MILWAUKEE	839	0	0	0	0	0	0	705	0	0	71	163	0
92 ADELPHI UNIV	835	0	0	0	0	0	0	929	0	0	6	0	0
93 HAMMERMANN MED COL & HOSP	823	0	0	0	0	0	0	883	0	0	40	0	0
94 DARTMOUTH COL	822	0	3	0	0	0	0	845	0	0	74	0	0
95 CALIF ST UNIV S FRANCISCO	815	0	0	0	0	0	0	895	0	0	0	0	0
96 ALBANY MEDICAL COL	872	0	0	0	0	0	0	872	0	0	0	0	0
97 MEHARRY MEDICAL COL	855	0	0	0	0	0	0	855	0	0	0	0	0
98 OREGON STATE UNIV	854	0	4	0	0	0	159	686	0	0	85	0	0
99 BROWN UNIV	852	0	0	0	0	0	0	691	0	0	161	0	0
100 UNIV OF LOUISVILLE	839	0	0	0	0	0	0	791	0	0	48	0	0

* INCLUDES AIO, MUD, AND LAROP
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-14. FEDERAL OBLIGATIONS FOR GENERAL SUPPORT FOR SCIENCE TO THE 100 UNIVERSITIES
AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1972
(DOLLARS-IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	AEC	COM	DOO	DOJ	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
	TOTAL, ALL INSTITUTIONS	83,298	0	0	1,451	0	0	0	40,713	1,207	0	34,692	0	5,195
	TOTAL, 100 INSTITUTIONS	62,756	3	0	1,767	0	0	0	31,769	465	0	22,560	3	4,695
1	NEW YORK UNIV	2,162	0	0	0	0	0	0	482	0	0	1,680	0	0
2	FLORIDA STATE UNIV	1,864	0	0	0	0	0	0	58	0	0	1,806	0	580
3	VANDERBILT UNIV	1,817	0	0	0	0	0	0	414	0	0	1,403	0	0
4	DUKE UNIV	1,619	0	0	0	0	0	0	838	0	0	781	0	0
5	INDIANA UNIV-BLOOMINGTON	1,616	0	0	0	0	0	0	84	0	0	1,532	0	0
6	MICHIGAN STATE UNIV	1,560	0	0	0	0	0	0	272	33	0	1,255	0	0
7	UNIV OF MICHIGAN	1,482	0	0	54	0	0	0	867	0	0	96	0	465
8	UNIV OF PITTSBURGH	1,368	0	0	0	0	0	0	437	0	0	871	0	0
9	CORNELL UNIV	1,219	0	0	0	0	0	0	511	34	0	90	0	588
10	MASS INST OF TECH	1,212	0	0	10	0	0	0	181	0	0	121	0	900
11	TUSKEGEE INST	1,123	0	0	0	0	0	0	26	0	0	597	0	500
12	UNIV OF KANSAS	933	0	0	0	0	0	0	433	0	0	50	0	0
13	PRINCETON UNIV	929	0	0	743	0	0	0	78	0	0	88	0	0
14	HARVARD UNIV	919	0	0	0	0	0	0	827	0	0	7	0	0
15	PURDUE UNIV	913	0	0	0	0	0	0	139	24	0	497	0	250
16	UNIV OF IOWA	894	0	0	16	0	0	0	542	0	0	61	0	265
17	UNIV OF CAL DAVIS	870	0	0	0	0	0	0	801	0	0	69	0	0
18	UNIV OF PENNSYLVANIA	862	0	0	0	0	0	0	784	0	0	78	0	0
19	COLUMBIA UNIV	854	0	0	0	0	0	0	759	0	0	95	0	0
20	SOUTHERN UNIV	814	0	0	0	0	0	0	93	0	0	241	0	500
21	JOHNS HOPKINS UNIV	819	0	0	93	0	0	0	719	0	0	70	0	0
22	UNIV OF CAL LOS ANGELES	789	0	0	0	0	0	0	690	0	0	94	0	0
23	UNIV OF MINNESOTA	776	0	0	0	0	0	0	659	27	0	88	0	0
24	UNIV OF HAWAII	753	0	0	24	0	0	0	288	17	0	175	0	235
25	WORCESTER POLYTECH INST	746	0	0	0	0	0	0	0	0	0	746	0	0
26	SHAW UNIV	729	0	0	0	0	0	0	34	0	0	691	0	0
27	UNIV OF WASHINGTON	709	0	0	0	0	0	0	620	0	0	89	0	0
28	UNIV OF N C AT CHAPEL HILL	703	0	0	0	0	0	0	646	0	0	54	0	0
29	VIRGINIA STATE COL	675	0	0	0	0	0	0	0	0	0	175	0	500
30	RUST COL	673	0	0	0	0	0	0	14	0	0	639	0	0
31	RICE UNIV	659	0	0	0	0	0	0	596	0	0	61	0	0
32	YALE UNIV	654	0	0	0	0	0	0	572	0	0	82	0	0
33	UNIV OF WIS-MADISON	640	0	0	0	0	0	0	515	31	0	94	0	0
34	OHIO STATE UNIV	637	0	0	0	0	0	0	460	33	0	147	0	0
35	U OF ALA IN BIRMINGHAM	622	0	0	0	0	0	0	537	0	0	115	0	0
36	N C AGRIC & TECH ST UNIV	613	0	0	0	0	0	0	57	0	0	562	0	0
37	CARNEGIE MELLON UNIV	572	0	0	0	0	0	0	54	0	0	518	0	0
38	UNIV OF COLORADO	565	0	0	0	0	0	0	426	0	0	139	0	0
39	UNIV OF CAL SAN DIEGO	561	0	0	0	0	0	0	464	0	0	97	0	0
40	TOULALOO COL	551	0	0	0	0	0	0	0	0	0	551	0	0
41	UNIV OF CAL BERKELEY	560	0	0	0	0	0	0	344	0	0	216	0	0
42	STANFORD UNIV	557	0	0	0	0	0	0	461	0	0	96	0	0
43	CASE WESTERN RESERVE UNIV	543	0	0	0	0	0	0	472	0	0	71	0	0
44	UNIV OF SOUTHERN CAL	515	0	0	0	0	0	0	426	0	0	109	0	0
45	SUNY ST U BUFFALO	517	0	0	0	0	0	0	477	0	0	40	0	0
46	UNIV OF CAL SAN FRANCISCO	510	0	0	0	0	0	0	510	0	0	0	0	0
47	UNIV OF MISSOURI COLUMBIA	510	0	0	0	0	0	0	328	19	0	163	0	0
48	UNIV OF CHICAGO	507	0	0	0	0	0	0	416	0	0	91	0	0
49	WASHINGTON UNIV	502	0	0	0	0	0	0	444	0	0	58	0	0
50	UNIV OF MIAMI	500	0	0	81	0	0	0	345	0	0	74	0	0
51	UNIV OF FLORIDA	472	0	0	0	0	0	0	376	24	0	72	0	0
52	UNIV OF ROCHESTER	464	0	0	0	0	0	0	383	0	0	81	0	0
53	YESHIVA UNIV	464	0	0	0	0	0	0	409	0	0	55	0	0
54	UNIV OF UTAH	459	0	0	4	0	0	0	382	0	0	73	0	0
55	EMORY UNIV	455	0	0	0	0	0	0	329	0	0	126	0	0
56	XAVIER U OF LOUISIANA	451	0	0	0	0	0	0	47	0	0	404	0	0
57	TEMPLE UNIV	441	0	0	0	0	0	0	380	0	0	61	0	0
58	NORTHWESTERN UNIV	429	0	0	0	0	0	0	356	0	0	69	0	0
59	PENNSYLVANIA STATE UNIV	422	0	0	0	0	0	0	262	24	0	136	0	0
60	BOSTON UNIV	417	0	0	0	0	0	0	381	0	0	36	0	0
61	BAYLOR COL OF MEDICINE	395	0	0	0	0	0	0	367	0	0	28	0	0
62	UNIV OF CONNECTICUT	389	0	0	0	0	0	0	294	20	0	73	0	0
63	TULANE UNIV	381	0	0	0	0	0	0	354	0	0	27	0	0
64	RUTGERS UNIVERSITY	375	0	0	38	0	0	0	258	36	0	51	0	0
65	WAYNE STATE UNIV	374	0	0	0	0	0	0	278	0	0	96	0	0
66	CUNY MT SINAI SCH OF MED	367	0	0	0	0	0	0	367	0	0	0	0	0
67	INDIANA UNIV-INDIANAPOLIS	366	0	0	0	0	0	0	292	0	0	74	0	0
68	UNIV OF ILLINOIS-MED CTR	362	0	0	0	0	0	0	362	0	0	0	0	0
69	GRAMBLING COL	361	0	0	0	0	0	0	0	0	0	361	0	0

70 MOREHOUSE COL	360	0	0	0	0	0	0	0	0	0	0	360	0	0
71 UNIV OF OKLAHOMA	355	0	0	61	0	1	0	213	0	0	0	81	0	0
72 UNIV OF TEXAS AT AUSTIN	350	0	0	3	0	0	0	91	3	0	0	259	0	0
73 UNIV OF VIRGINIA	335	0	0	0	0	0	0	263	0	0	0	52	0	0
74 UNIV OF ILLINOIS-URBANA	324	0	0	0	3	1	0	151	31	0	0	140	0	0
75 TUFTS UNIV	324	0	0	0	0	0	0	260	0	0	0	64	0	0
76 VA COMMONWEALTH UNIV	314	0	0	0	0	0	0	292	0	0	0	22	0	0
77 UNIV OF KENTUCKY	311	0	0	0	0	0	0	217	1	0	0	93	0	0
78 CHEYNEY STATE COL	311	0	0	0	3	0	0	24	0	0	0	287	0	0
79 U TEX MD ANDRSN HOSPITAL	308	0	0	0	0	0	0	308	0	0	0	0	0	0
80 UNIV OF ARIZONA	307	3	0	0	0	0	0	223	11	0	0	73	0	0
81 ALLEGHENY COL	302	0	0	0	0	0	0	0	3	0	0	302	0	0
82 GEORGETOWN UNIV	295	0	0	0	0	0	0	250	0	0	0	35	0	0
83 UNIV OF CINCINNATI	293	1	0	0	0	0	0	249	0	0	0	41	0	0
84 UNIV OF VERMONT	293	3	0	0	0	0	0	239	21	0	0	30	0	0
85 BROWN UNIV	287	0	0	0	3	0	0	254	0	0	0	53	0	0
86 U TEX SW MED SCH DALLAS	284	0	0	0	0	0	0	284	0	0	0	0	0	0
87 PAINE COL	281	0	0	0	0	0	0	0	0	0	0	281	0	0
88 SMITHSON COL	281	0	0	0	0	0	0	0	0	0	0	281	0	0
89 SPELMAN COL	279	0	0	0	0	0	0	0	0	0	0	279	0	0
90 U OF TENN MED UNITS MEMPH	278	3	0	3	0	1	0	278	0	0	0	0	0	0
91 SUNY DOWNSTATE MED CTR	277	0	0	0	0	0	0	277	0	0	0	0	0	0
92 HOWARD UNIV	276	0	0	0	0	0	0	255	0	0	0	21	0	0
93 ST LOUIS UNIV	276	0	0	10	0	0	0	219	0	0	0	27	0	0
94 U OREGON MEDICAL SCHOOL	272	0	0	0	0	0	0	272	0	0	0	0	0	0
95 SPRING HILL COL	268	0	0	0	0	0	0	0	0	0	0	268	0	0
96 UNIV OF CAL SANTA BARBARA	268	0	0	166	0	0	0	52	0	0	0	40	0	0
97 CAL ST COL AT BAKERSFIELD	268	0	0	0	0	0	0	0	0	0	0	268	0	0
98 UNIV OF MD COLLEGE PARK	265	0	0	12	0	0	0	44	19	0	0	198	0	0
99 COLORADO STATE UNIV	263	0	0	6	0	0	0	144	33	0	0	80	0	0
100 ALBANY MEDICAL COL	259	0	0	0	0	0	0	229	0	0	0	30	0	0

* INCLUDES AID, HUD, AND LABOR
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-15 FEDERAL OBLIGATIONS FOR FACILITIES AND EQUIPMENT FOR INSTRUCTION IN THE SCIENCES AND ENGINEERING
TO THE 100 UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

RANK BY AMOUNT RECEIVED	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USDA	AEC	COM	DOD	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
	TOTAL, ALL INSTITUTIONS	26,341	488	1,912	0	0	0	0	20,942	0	0	2,999	0	0
	TOTAL, 100 INSTITUTIONS	13,059	127	286	0	0	0	0	12,048	0	0	544	0	0
1	SUNY COL AT OLD WESTBURY	515	0	0	0	0	0	0	515	0	0	0	0	0
2	U OF ALA IN BIRMINGHAM	390	0	0	0	0	0	0	384	0	0	6	0	0
3	UNION COL	293	0	0	0	0	0	0	293	0	0	0	0	0
4	WEST VIRGINIA WESLEYN COL	292	0	0	0	0	0	0	292	0	0	0	0	0
5	ALMA COL	285	0	0	0	0	0	0	282	3	0	3	0	0
6	FLORIDA TECHNOLOGICAL UNIV	271	0	0	0	0	0	0	231	0	0	40	0	0
7	EISENHOWER COL	268	0	0	0	0	0	0	268	0	0	0	0	0
8	BOSTON STATE COLLEGE	240	0	0	0	0	0	0	240	0	0	0	0	0
9	PEPPERDINE UNIVERSITY	222	0	0	0	0	0	0	222	0	0	0	0	0
10	PENNSYLVANIA STATE UNIV	286	34	1	0	0	0	0	161	0	0	10	0	0
11	UNIV OF ILLINOIS-CHGO CIR	202	0	0	0	0	0	0	183	0	0	19	0	0
12	UNIV OF CINCINNATI	202	0	0	0	0	0	0	192	0	0	10	0	0
13	COLUMBUS COL	194	0	0	0	0	0	0	194	0	0	0	0	0
14	UNIV OF SOUTH CAROLINA	194	0	0	0	0	0	0	174	0	0	20	0	0
15	LA ST UNIV BATON ROUGE	190	0	0	0	0	0	0	179	0	0	11	0	0
16	WESTERN WASH STATE COL	184	0	0	0	0	0	0	184	0	0	0	0	0
17	CENTRAL WESLEYAN COL	179	0	0	0	0	0	0	179	0	0	0	0	0
18	BALL STATE UNIV	177	0	0	0	0	0	0	159	0	0	18	0	0
19	WESTERN ILLINOIS UNIV	176	0	0	0	0	0	0	176	0	0	0	0	0
20	UNIV OF WIS-MILWAUKEE	174	0	0	0	0	0	0	165	0	0	9	0	0
21	CENTRAL COL	169	0	0	0	0	0	0	159	0	0	0	0	0
22	CAL COL OF ARTS & CRAFTS	165	0	0	0	0	0	0	165	0	0	0	0	0
23	CAL ST COL DOMINGUEZ HILL	160	0	0	0	0	0	0	160	0	0	0	0	0
24	CALIF ST UNIV FRESNO	160	0	0	0	0	0	0	160	0	0	0	0	0
25	SAN FRANCISCO CONSV MUSIC	160	0	0	0	0	0	0	160	0	0	0	0	0
26	CAL ST COL AT BAKERSFIELD	160	0	0	0	0	0	0	160	0	0	0	0	0
27	COL OF WOOSTER	153	0	0	0	0	0	0	153	0	0	0	0	0
28	UNIV OF PENNSYLVANIA	143	0	0	0	0	0	0	143	0	0	0	0	0
29	ALICE LLOYD COL	141	0	0	0	0	0	0	141	0	0	0	0	0
30	LAKE SUPERIOR STATE COL	137	0	0	0	0	0	0	137	0	0	0	0	0
31	UNIV OF TENN AT CHATTNGA	135	0	0	0	0	0	0	135	0	0	0	0	0
32	WITTENBERG UNIV	133	0	0	0	0	0	0	133	0	0	0	0	0
33	METROPOLITAN STATE COL	132	0	0	0	0	0	0	132	0	0	0	0	0
34	UNIV OF ARK LITTLE ROCK	130	0	0	0	0	0	0	130	0	0	0	0	0
35	UNIV OF WIS-MADISON	130	28	13	0	0	0	0	69	0	0	0	0	0
36	PURDUE UNIV	129	2	0	0	0	0	0	65	0	0	62	0	0
37	WICHITA STATE UNIV	127	0	0	0	0	0	0	118	0	0	9	0	0
38	SOUTHERN OREGON COL	127	0	0	0	0	0	0	127	0	0	0	0	0
39	U OF TEX MED SCH SAN ANT	127	0	0	0	0	0	0	127	0	0	0	0	0
40	SUNY CNTY C FINGER LAKES	126	0	0	0	0	0	0	126	0	0	0	0	0
41	INDIANA UNIV OF PA	124	0	0	0	0	0	0	124	0	0	0	0	0
42	UNIV OF HOUSTON	120	0	0	0	0	0	0	120	0	0	0	0	0
43	CALIF ST COLLEGE SONOMA	114	0	0	0	0	0	0	112	0	0	2	0	0
44	RUST COL	114	0	0	0	0	0	0	114	0	0	0	0	0
45	UNIV OF TEXAS AT AUSTIN	114	0	0	0	0	0	0	88	0	0	26	0	0
46	UNIV OF SOUTH FLORIDA	113	0	0	0	0	0	0	95	0	0	18	0	0
47	UNIV OF MINNESOTA	113	28	0	0	0	0	0	70	0	0	15	0	0
48	MINNEAPOLIS C-ART DESIGN	111	0	0	0	0	0	0	111	0	0	0	0	0
49	MISSOURI SOUTHERN COL	110	0	0	0	0	0	0	110	0	0	0	0	0
50	LEFS-MCRAE COL	110	0	0	0	0	0	0	110	0	0	0	0	0
51	TEXAS A & M UNIV	109	0	53	0	0	0	0	46	0	0	10	0	0
52	UNIV OF KENTUCKY	107	0	0	0	0	0	0	107	0	0	0	0	0
53	UNIV OF WIS-STEVENS POINT	102	0	0	0	0	0	0	102	0	0	0	0	0
54	CATHOLIC UNIV OF P R	100	0	0	0	0	0	0	100	0	0	0	0	0
55	SOUTHERN SEMINARY JR COL	99	0	0	0	0	0	0	99	0	0	0	0	0
56	UNIV OF NEBRASKA-LINCOLN	98	0	0	0	0	0	0	90	0	0	8	0	0
57	RENSSELAER POLYTECH INST	98	0	0	0	0	0	0	94	0	0	14	0	0
58	SALEM COL	98	0	0	0	0	0	0	98	0	0	0	0	0
59	INDIANA STATE UNIV	98	0	0	0	0	0	0	95	0	0	0	0	0
60	UNIV OF MICHIGAN	93	0	43	0	0	0	0	0	0	0	50	0	0
61	CUYAHOGA COMM COL	93	0	0	0	0	0	0	93	0	0	0	0	0
62	LEBANON VALLEY COL	93	0	0	0	0	0	0	93	0	0	0	0	0
63	AVILA COL	92	0	0	0	0	0	0	92	0	0	0	0	0
64	UNIV OF TEXAS AT EL PASO	92	0	0	0	0	0	0	57	0	0	35	0	0
65	MACMURRAY COL	90	0	0	0	0	0	0	90	0	0	0	0	0
66	UNIV OF TEXAS AT DALLAS	89	0	0	0	0	0	0	89	0	0	0	0	0
67	CALIF ST U SAN LEO ORIS RD	88	0	0	0	0	0	0	88	0	0	0	0	0
68	UNIV OF LOUISVILLE	88	0	0	0	0	0	0	88	0	0	0	0	0
69	HAMLINE UNIV	87	0	0	0	0	0	0	87	0	0	0	0	0

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	USOA	AEC	COM	DOO	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
70	NEW YORK UNIV	87	0	0	0	0	0	0	71	0	0	16	0	0
71	FEDERAL CITY COL	86	0	0	0	0	0	0	0	0	0	86	0	0
72	NORTHWESTERN UNIV	85	0	0	0	0	0	0	63	0	0	22	0	0
73	OLNEY CENTRAL COLLEGE	85	0	0	0	0	0	0	85	0	0	0	0	0
74	EASTERN NAZARENE COL	85	0	0	0	0	0	0	85	0	0	0	0	0
75	UNIV OF MISSOURI COLUMBIA	85	28	53	0	0	0	0	0	0	0	4	0	0
76	HAMPODEN-SYDNEY COL	84	0	0	0	0	0	0	84	0	0	0	0	0
77	MATTATUCK COMMUNITY COL	84	0	0	0	0	0	0	84	0	0	0	0	0
78	BRIGHT STATE UNIV	82	0	0	0	0	0	0	62	0	0	20	0	0
79	CENTRAL CONN ST COL	82	0	0	0	0	0	0	82	0	0	0	0	0
80	KEUKA COL	82	0	0	0	0	0	0	82	0	0	0	0	0
81	ROBERT MORRIS COLLEGE	79	0	0	0	0	0	0	79	0	0	0	0	0
82	RENNINGTON COL	79	0	0	0	0	0	0	79	0	0	0	0	0
83	UNIV OF TEXAS ARLINGTON	78	0	0	0	0	0	0	73	0	0	5	0	0
84	NORTHAMPTON CNTY COMM COL	78	0	0	0	0	0	0	78	0	0	0	0	0
85	UNIV OF MD COLLEGE PARK	77	7	70	0	0	0	0	0	0	0	0	0	0
86	WASHINGTON STATE UNIV	77	0	13	0	0	0	0	22	0	0	22	0	0
87	COMM COL OF DELAWARE CNTY	76	0	0	0	0	0	0	76	0	0	0	0	0
88	WESLEYAN UNIV	75	0	0	0	0	0	0	68	0	0	7	0	0
89	SIMMONS COL	75	0	0	0	0	0	0	75	0	0	0	0	0
90	STRATFORD COL	75	0	0	0	0	0	0	75	0	0	0	0	0
91	COL OF ST BENEDICT	74	0	0	0	0	0	0	74	0	0	0	0	0
92	UNIV OF WIS-EAU CLAIRE	74	0	0	0	0	0	0	65	0	0	9	0	0
93	INDIANA U REG CAMP SYS OFF	72	0	0	0	0	0	0	72	0	0	0	0	0
94	MACOMB COUNTY COMM COL	72	0	0	0	0	0	0	72	0	0	0	0	0
95	UNIV OF TENN AT MARTIN	72	0	0	0	0	0	0	72	0	0	0	0	0
96	GEORGE WASHINGTON UNIV	70	0	0	0	0	0	0	70	0	0	0	0	0
97	SUNY COL PURCHASE	70	0	0	0	0	0	0	70	0	0	0	0	0
98	VASSAR COL	69	0	0	0	0	0	0	69	0	0	0	0	0
99	EAST CENTRAL STATE COL	69	0	0	0	0	0	0	68	0	0	1	0	0
100	EAST TENNESSEE STATE UNIV	69	0	0	0	0	0	0	66	0	0	3	0	0

* INCLUDES AID, HUD, AND LABOR
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-16

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO UNIVERSITIES
AND COLLEGES, BY DETAILED FIELD OF SCIENCE AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

FIELD OF SCIENCE	TOTAL	USDA	AEC	COM	DOO	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
TOTAL, ALL FIELDS	1,852,943	88,566	86,786	23,591	243,884	8,257	17,709	879,278	23,045	112,426	334,722	12,413	22,286
PHYSICAL SCI., TOTAL	279,124	6,591	58,107	506	63,463	0	1,766	23,875	2,257	52,573	77,882	0	24
ASTRONOMY	35,595	0	0	386	1,736	0	0	0	0	26,509	6,964	0	0
CHEMISTRY	77,588	679	7,241	35	14,311	0	379	23,627	1,555	4,629	25,388	0	24
PHYSICS	141,626	27	42,863	105	35,675	0	281	248	682	16,321	45,364	0	0
PHYSICAL SCI., NEC	24,315	9,885	3	0	11,741	0	1,106	0	28	5,314	246	0	0
MATHEMATICS	58,712	493	2,889	21	13,482	0	183	8,947	549	552	22,268	1,568	0
ENVIRONMENTAL SCI., TOTAL	196,768	1,889	4,597	19,324	61,388	0	5,258	915	7,218	28,889	77,237	1,406	275
ATMOSPHERIC SCI.	45,845	185	882	1,686	9,580	0	1,855	0	3,715	11,484	15,946	72	0
GEOLOGICAL SCI.	31,853	7	954	613	12,843	0	317	0	3,803	4,817	9,444	188	275
OCEANOGRAPHY	68,891	28	2,138	4,882	14,782	0	853	33	18	134	41,895	184	0
ENVIRONMENTAL SCI., NEC	42,599	957	823	13,823	95	0	2,233	882	418	12,934	18,952	1,138	0
ENGINEERING, TOTAL	192,993	4,852	4,414	369	77,889	0	5,417	13,343	7,789	28,568	52,851	5,687	1,574
AERONAUTICAL	11,335	0	133	0	5,257	0	0	0	0	5,318	514	17	0
ASTRONAUTICAL	7,955	0	0	0	688	0	0	0	0	7,275	0	0	0
CHEMICAL	18,516	0	95	0	1,915	0	551	0	2,396	288	5,359	0	0
CIVIL	17,379	276	0	18	1,975	0	1,866	0	1,758	65	6,598	3,791	1,048
ELECTRICAL	51,921	0	99	0	39,581	0	247	120	722	3,881	7,689	181	361
MECHANICAL	18,363	26	0	0	7,824	0	859	227	35	1,813	6,282	1,377	0
METALLURGY & MATERIALS	41,686	0	1,578	0	12,884	0	188	27	2,216	1,779	23,922	0	0
ENGINEERING, NEC	33,838	3,750	2,509	359	8,513	0	1,794	12,969	662	1,125	1,751	241	165
LIFE SCI., TOTAL	896,376	61,129	24,844	1,877	24,489	292	4,787	710,541	1,853	8,624	54,487	378	5,239
BIOLOGICAL	489,784	58,986	28,824	1,877	13,601	0	1,271	253,385	1,763	2,788	54,487	0	1,682
CLINICAL MEDICAL	384,997	0	4,179	0	4,181	292	24	291,452	0	1,388	0	15	3,546
OTHER MEDICAL	177,221	2,223	29	0	6,141	0	1,685	165,525	17	1,235	0	399	11
LIFE SCI., NEC	4,374	0	616	0	486	0	1,727	179	73	1,293	0	0	6
PSYCHOLOGY, TOTAL	55,232	121	0	0	8,664	529	0	33,389	256	1,449	18,393	230	281
BIOLOGICAL ASPECTS	29,848	18	0	0	4,822	0	0	15,843	189	651	8,397	0	0
SOCIAL ASPECTS	18,642	93	0	0	3,286	529	0	12,134	86	283	1,971	189	281
PSYCHOLOGICAL SCI., NEC	7,588	18	0	0	636	0	0	6,212	61	515	25	41	0
SOCIAL SCI., TOTAL	119,827	14,828	0	1,414	2,972	7,436	392	52,478	1,815	312	24,297	433	13,458
ANTHROPOLOGY	3,268	0	0	0	2	0	0	714	28	0	2,524	0	0
ECONOMICS	18,857	1,535	0	1,414	381	1,488	126	851	873	128	4,491	294	7,292
HISTORY	1,439	0	0	0	0	0	0	691	35	0	713	0	0
LINGUISTICS	2,951	5	0	0	218	0	0	1,281	0	0	1,527	0	0
POLITICAL SCI.	3,146	0	0	0	567	0	148	0	291	179	1,736	0	233
SOCIOLOGY	23,437	1,769	0	0	1,137	2,964	126	18,669	221	0	2,449	0	4,182
SOCIAL SCI., NEC	66,737	11,519	0	0	667	2,992	0	38,344	375	13	18,857	139	1,831
OTHER SCI., NEC	71,911	263	11	0	11,785	0	66	35,798	1,388	2,259	16,187	2,799	1,515

* INCLUDES AID, HUD, AND LABOR

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE D-17 NEW OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR RESEARCH AND DEVELOPMENT, BY DETAILED FIELD OF SCIENCE AND NEW COMPONENT, FY 1972 (DOLLARS IN THOUSANDS)

FIELD OF SCIENCE	TOTAL	NIH	NSF	OE	SRS	SSA	FOA	OTHER DHEW
TOTAL, ALL FIELDS	879,278	722,698	92,982	38,460	22,677	334	4,451	5,316
PHYSICAL SCI., TOTAL	23,875	21,155	720	0	0	0	0	0
ASTRONOMY	0	0	0	0	0	0	0	0
CHEMISTRY	23,627	22,941	686	0	0	0	0	0
PHYSICS	248	214	34	0	0	0	0	0
PHYSICAL SCI., NEC	0	0	0	0	0	0	0	0
MATHEMATICS	4,947	7,056	1,091	0	0	0	0	0
ENVIRONMENTAL SCI., TOTAL	915	882	33	0	0	0	0	0
ATMOSPHERIC SCI.	0	0	0	0	0	0	0	0
GEOLOGICAL SCI.	0	0	0	0	0	0	0	0
OCEANOGRAPHY	33	0	33	0	0	0	0	0
ENVIRONMENTAL SCI., NEC	882	882	0	0	0	0	0	0
ENGINEERING, TOTAL	13,743	12,884	112	0	347	0	0	0
AERONAUTICAL	0	0	0	0	0	0	0	0
ASTRONAUTICAL	0	0	0	0	0	0	0	0
CHEMICAL	0	0	0	0	0	0	0	0
CIVIL	0	0	0	0	0	0	0	0
ELECTRICAL	120	0	0	0	120	0	0	0
MECHANICAL	227	0	0	0	227	0	0	0
METALLURGY & MATERIALS	27	0	27	0	0	0	0	0
ENGINEERING, NEC	12,969	12,884	85	0	0	0	0	0
LIFE SCI., TOTAL	710,541	634,640	93,727	0	13,323	0	4,451	0
BIOLOGICAL	253,345	230,312	23,033	0	0	0	2,538	0
CLINICAL MEDICAL	291,452	240,899	10,234	0	319	0	0	0
OTHER MEDICAL	165,525	127,429	22,781	0	13,000	0	2,313	0
LIFE SCI., NEC	179	0	179	0	0	0	0	0
PSYCHOLOGY, TOTAL	33,189	7,789	20,936	3,423	1,321	0	0	0
BIOLOGICAL ASPECTS	15,043	1,694	13,349	0	0	0	0	0
SOCIAL ASPECTS	12,134	0	7,587	3,423	1,124	0	0	0
PSYCHOLOGICAL SCI., NEC	6,212	6,015	0	0	197	0	0	0
SOCIAL SCI., TOTAL	52,470	4,718	10,156	24,260	7,686	334	0	5,316
ANTHROPOLOGY	714	0	714	0	0	0	0	0
ECONOMICS	851	0	851	0	0	0	0	0
HISTORY	691	0	120	0	571	0	0	0
LINGUISTICS	1,281	0	1,117	0	0	0	0	0
POLITICAL SCI.	0	0	0	0	0	0	0	0
SOCIOLOGY	10,669	0	6,407	0	4,262	0	0	0
SOCIAL SCI., NEC	38,344	4,718	955	24,176	2,845	334	0	5,316
OTHER SCI., TOTAL	35,798	27,614	5,487	2,777	0	0	0	0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-18 DOD OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR RESEARCH AND DEVELOPMENT, BY DETAILED FIELD OF SCIENCE AND DOD COMPONENT, FY 1972
(DOLLARS IN THOUSANDS)

FIELD OF SCIENCE	TOTAL	ARMY	NAVY	AIR FORCE	OFFENSE AGENCIES	DEPARTMENT WIDE FUNDS
TOTAL, ALL FIELDS	243,884	50,970	102,082	45,873	4,959	0
PHYSICAL SCI., TOTAL	63,463	15,477	18,174	29,812	0	0
ASTRONOMY	1,736	57	196	1,483	0	0
CHEMISTRY	14,311	5,106	2,920	6,285	0	0
PHYSICS	35,675	8,607	8,694	18,374	0	0
PHYSICAL SCI., NEC	11,741	1,707	6,364	3,670	0	0
MATHEMATICS	13,402	2,272	4,639	6,300	191	0
ENVIRONMENTAL SCI., TOTAL	41,380	2,259	29,142	9,979	0	0
ATMOSPHERIC SCI.	9,580	1,833	3,132	4,615	0	0
GEOLOGICAL SCI.	12,043	426	6,267	5,350	0	0
OCEANOGRAPHY	19,702	0	19,702	0	0	0
ENVIRONMENTAL SCI., NEC	55	0	41	14	0	0
ENGINEERING, TOTAL	77,809	14,381	28,732	33,413	1,313	0
AERONAUTICAL	5,257	1,299	1,393	2,565	0	0
ASTRONAUTICAL	680	0	120	560	0	0
CHEMICAL	1,915	386	432	1,177	0	0
CIVIL	1,975	632	1,075	268	0	0
ELECTRICAL	39,581	5,732	15,331	18,009	509	0
MECHANICAL	7,824	708	2,666	4,458	0	0
METALLURGY & MATERIALS	12,054	4,147	4,120	3,762	35	0
ENGINEERING, NEC	8,513	1,565	3,565	2,514	769	0
LIFE SCI., TOTAL	24,409	11,822	9,524	2,758	305	0
OTOLOGICAL	13,601	4,663	5,889	1,071	28	0
CLINICAL MEDICAL	4,181	3,308	596	0	277	0
OTHER MEDICAL	6,141	1,585	2,915	1,641	0	0
LIFE SCI., NEC	486	266	124	96	0	0
PSYCHOLOGY, TOTAL	8,664	197	4,459	2,066	1,942	0
BIOLOGICAL ASPECTS	4,822	0	3,285	1,190	339	0
SOCIAL ASPECTS	3,236	123	945	613	1,525	0
PSYCHOLOGICAL SCI., NEC	616	66	229	261	74	0
SOCIAL SCI., TOTAL	2,972	350	1,120	549	953	0
ANTHROPOLOGY	2	0	0	0	2	0
ECONOMICS	381	0	381	0	0	0
HISTORY	0	0	0	0	0	0
LINGUISTICS	218	68	83	67	0	0
POLITICAL SCI.	567	65	352	0	150	0
SOCIOLOGY	1,137	32	304	0	801	0
SOCIAL SCI., NEC	667	185	0	482	0	0
OTHER SCI., TOTAL	11,785	4,212	6,322	996	255	0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-19 FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO THE 100 UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY MAJOR FIELD OF SCIENCE, FY 1972 (DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	PHYSICAL SCIENCES	MATHE- MATICS	ENVIRON- MENTAL SCIENCES	ENGI- NEERING	LIFE SCIENCES	PSYCHOL- OGY	SOCIAL SCIENCES	OTHER SCIENCES, MEC.
	TOTAL, ALL INSTITUTIONS	1,852,963	279,124	58,712	186,789	192,993	896,376	55,232	119,827	71,911
	TOTAL, 100 INSTITUTIONS	1,577,587	246,692	44,736	152,854	160,924	769,682	45,730	92,883	58,966
1	MASS INST OF TECH	104,887	32,859	2,179	13,144	61,010	10,836	273	1,204	3,376
2	UNIV OF CAL SAN DIEGO	50,027	8,455	285	24,137	1,503	12,856	847	155	1,789
3	UNIV OF WASHINGTON	48,241	3,430	875	9,751	2,044	29,603	619	1,025	875
4	STANFORD UNIV	49,216	7,836	1,859	3,193	9,384	17,679	1,562	3,381	3,266
5	COLUMBIA UNIV	45,493	11,323	540	7,749	828	19,952	876	4,099	226
6	HARVARD UNIV	45,450	4,657	651	1,658	1,955	27,223	1,357	2,683	1,246
7	UNIV OF MICHIGAN	44,481	5,072	1,387	7,311	5,859	16,177	2,429	4,345	1,981
8	UNIV OF CAL LOS ANGELES	41,929	4,778	1,448	3,464	3,101	25,028	1,686	1,238	1,194
9	UNIV OF WIS-MADISON	40,943	6,355	2,117	3,536	1,488	19,603	2,040	5,450	354
10	UNIV OF CAL BERKELEY	37,654	5,762	2,643	2,850	4,684	14,697	1,532	4,993	294
11	UNIV OF MINNESOTA	36,453	4,844	1,256	1,221	1,949	20,018	934	5,888	1,111
12	JOHNS HOPKINS UNIV	35,534	2,191	441	3,471	807	25,667	792	883	1,559
13	UNIV OF CHICAGO	31,079	6,849	1,052	2,144	1,562	16,451	759	1,750	468
14	CORNELL UNIV	31,034	6,935	1,058	1,156	5,421	13,580	565	1,327	992
15	UNIV OF PENNSYLVANIA	28,379	2,832	641	119	3,180	17,469	1,090	1,965	1,884
16	UNIV OF ILLINOIS-URBANA	28,253	5,655	1,518	1,969	8,441	6,123	1,531	1,571	435
17	YALE UNIV	27,506	5,734	591	823	953	16,061	1,158	1,697	589
18	UNIV OF CAL SAN FRANCISCO	23,369	2,754	622	513	2,999	6,624	1,387	4,947	3,221
19	NEW YORK UNIV	23,045	1,436	2,541	182	1,320	15,267	409	491	199
20	WASHINGTON UNIV	21,752	1,115	434	349	1,075	15,967	736	456	588
21	UNIV OF CAL SAN FRANCISCO	20,382	223	191	107	144	18,162	94	844	816
22	UNIV OF SOUTHERN CAL	20,327	1,736	592	1,087	1,455	9,300	786	1,937	3,812
23	UNIV OF COLORADO	19,926	3,643	265	2,485	609	9,978	739	1,383	823
24	YESHIVA UNIV	19,364	547	142	0	318	17,103	569	96	243
25	UNIV OF ROCHESTER	18,371	1,352	253	564	348	11,819	631	679	725
26	DUKE UNIV	17,768	2,768	89	444	213	12,813	349	470	682
27	CAL INST OF TECH	17,467	4,343	352	1,755	1,770	5,094	63	50	48
28	UNIV OF UTAH	17,312	2,737	449	1,558	1,907	7,541	144	971	1,905
29	UNIV OF NC AT CHAP HILL	16,811	938	750	806	409	10,544	672	2,229	69
30	PURDUE UNIV	16,607	3,475	849	1,764	3,079	5,388	775	777	588
31	UNIV OF MIAMI	16,606	759	41	5,641	36	9,190	240	393	386
32	WOODS HOLE OCEAN INST	16,372	0	0	13,583	566	1,176	40	0	1,087
33	PENNSYLVANIA STATE UNIV	15,989	1,487	133	1,634	2,184	8,280	432	1,642	197
34	UNIV OF CAL DAVIS	15,734	1,083	203	1,254	278	12,200	350	172	324
35	CASE WESTERN RESERVE UNIV	14,833	2,943	71	394	1,817	8,493	180	468	435
36	UNIV OF TEXAS AT AUSTIN	14,793	4,125	849	763	1,354	3,398	547	1,374	2,386
37	PRINCETON UNIV	14,456	7,223	589	647	2,388	2,556	516	224	313
38	UNIV OF FLORIDA	13,561	1,807	279	571	1,959	7,021	877	758	289
39	UNIV OF PITTSBURGH	13,197	2,291	67	1,020	345	8,014	439	361	660
40	NORTHWESTERN UNIV	13,026	1,471	710	186	2,506	6,723	333	1,013	84
41	UNIV OF HAWAII	12,977	2,494	498	3,363	510	3,867	614	865	964
42	U OF ALA IN BIRMINGHAM	12,966	133	68	8	209	11,911	113	7	549
43	OREGON STATE UNIV	11,697	659	64	5,312	299	4,926	0	115	322
44	UNIV OF MD COLLEGE PARK	11,675	6,343	841	432	1,374	1,455	434	264	532
45	HAYLOR SCH OF MEDICINE	11,291	0	0	21	0	10,687	214	61	388
46	UNIV OF IOWA	11,279	2,399	229	98	218	7,389	234	278	413
47	MICHIGAN STATE UNIV	11,270	2,449	124	358	210	6,327	171	785	220
48	VANDERBILT UNIV	11,142	797	92	0	193	3,543	165	361	0
49	COLORADO STATE UNIV	10,799	874	134	2,504	1,405	4,408	285	1,086	149
50	UNIV OF ARIZONA	10,649	3,613	137	1,492	835	3,785	38	514	235
51	TEXAS A & M UNIV	10,640	1,470	182	3,629	688	3,451	25	1,171	24
52	UNIV OF KANSAS	9,663	1,452	77	392	592	5,362	442	1,043	313
53	TEMPLE UNIV	9,419	449	21	0	8	8,250	370	260	0
54	GEORGE WASHINGTON UNIV	9,268	52	1,702	172	1,172	4,058	67	1,751	284
55	ROCKEFELLER UNIV	9,283	412	23	0	0	7,971	722	75	8
56	SUNY MT SINAI SCH OF MED	8,922	209	0	214	110	7,993	274	78	48
57	BOSTON UNIV	8,748	100	791	33	345	7,145	156	147	28
58	UTGERS UNIVERSITEIT	8,506	1,174	337	214	343	4,093	1,581	367	397
59	CARNEGIE MELLON UNIV	8,469	2,254	2,712	0	1,533	720	547	468	225
60	UNIV OF ALASKA	8,419	508	0	2,552	2,247	2,517	0	352	243
61	U TEX MD ANDRSON HOSPITUM	8,316	44	170	0	0	7,686	50	0	326
62	SUNY ST U BUFFALO	8,204	939	436	25	303	6,365	51	196	133
63	BROWN UNIV	8,197	1,379	842	487	2,681	2,267	332	139	10
64	UNIV OF VIRGINIA	8,137	1,140	292	340	1,189	4,216	125	145	490
65	UNIV OF MISSOURI COLUMBIA	8,134	368	26	43	764	5,933	52	621	291
66	N C STATE UNIV AT RALEIGH	7,453	744	272	263	1,234	1,700	274	717	597
67	EMORY UNIV	7,743	147	9	0	47	6,652	434	67	400
68	INDIANA UNIV-BLOOMINGTON	7,659	2,299	388	176	191	2,144	444	1,962	35
69	UCLANE UNIV	7,505	252	259	95	437	6,194	132	59	105
70	UNIV OF GEORGIA	7,310	957	71	244	147	3,824	94	1,879	122

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	PHYSICAL SCIENCES	MATHE- MATICS	MENTAL SCIENCES	ENGT- NEERING	LIFE SCIENCES	PSYCHOL- OGY	SOCIAL SCIENCES	SCIENCES, NEC.
71	UNIV OF KENTUCKY	7,004	431	48	37	597	4,068	431	931	361
72	UTAH STATE UNIV	6,385	517	162	2,483	730	2,568	1	278	268
73	NEW MEXICO STATE UNIV	6,866	213	19	203	1,403	169	47	1,513	2,578
74	U TEX SW MED SCH DALLAS	6,499	100	0	91	0	6,016	0	0	292
75	UNIV OF CONNECTICUT	6,455	710	96	159	145	4,294	353	303	179
76	UNIV OF CINCINNATI	6,447	310	7	102	1,358	4,346	143	386	95
77	UNIV-MASS AMHERST CAMPUS	6,282	1,750	258	352	858	1,473	424	408	339
78	GEORGIA INST OF TECH	6,194	1,287	0	272	2,765	290	0	266	1,314
79	UNIV OF TENN AT KNOXVILLE	5,397	945	55	219	643	3,195	141	660	89
80	INDIANA UNIV-INDIANAPOLIS	5,760	70	102	0	172	3,669	146	125	1,476
81	UNIV OF OREGON - EUGENE	5,669	1,361	46	123	112	1,656	971	1,139	221
82	IOWA ST U OF SCIENCE&TECH	5,597	642	260	762	453	2,711	1	660	66
83	UNIV OF MD, BALTIMORE	5,591	28	6	0	11	5,385	0	0	461
84	TUFTS UNIV	5,535	430	12	0	292	4,625	145	14	27
85	ILLINOIS INST OF TECH	5,494	687	169	0	1,712	3,141	43	0	83
86	VIRGINIA POLYTECHNIC INST	5,477	749	64	409	1,216	2,386	11	385	228
87	UNIV OF NEBRASKA-LINCOLN	5,463	372	28	128	432	3,681	63	577	176
88	UNIV OF RHODE ISLAND	5,160	254	0	1,600	278	931	15	85	191
89	LA ST UNIV BATON ROUGE	5,291	1,034	146	1,567	229	1,935	39	292	0
90	ST LOUIS UNIV	5,193	76	0	233	290	4,188	0	377	109
91	SUNY ST U STONY BROOK	5,163	2,246	434	377	414	739	541	32	333
92	GEORGETOWN UNIV	5,162	544	151	40	224	3,196	204	104	665
93	FLORIDA STATE UNIV	5,152	1,578	211	1,164	0	1,856	309	98	7
94	UNIV OF DAYTON	4,988	2,320	0	273	2,197	218	0	0	0
95	UNIV OF DENVER	4,938	1,456	296	1,187	448	197	814	366	164
96	UNIV OF VERMONT	4,901	268	112	56	447	3,595	134	165	86
97	SUNY ST U ALBANY	4,743	246	43	604	105	1,454	152	223	1,512
98	UNIV OF Ark FAYETTEVILLE	4,688	252	20	130	147	2,422	145	1,416	156
99	WAYNE STATE UNIV	4,579	312	73	0	249	2,502	303	195	328
100	NEW YORK MEDICAL COL	4,526	40	41	0	5	3,427	397	216	0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-20

FEDERAL OBLIGATIONS FOR FELLOWSHIPS, TRAINEESHIPS, AND TRAINING GRANTS TO
UNIVERSITIES AND COLLEGES, BY DETAILED FIELD OF SCIENCE AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

FIELD OF SCIENCE	TOTAL	USDA	AEC	COM	DOO	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
TOTAL, ALL FIELDS	387,888	0	2,004	381	0	0	5,575	345,644	0	1,071	24,752	3,461	0
PHYSICAL SCI., TOTAL	6,403	0	222	0	0	0	133	2,372	0	0	3,676	0	0
ASTRONOMY	189	0	0	0	0	0	0	0	0	0	189	0	0
CHEMISTRY	4,753	0	42	0	0	0	95	2,261	0	0	2,315	0	0
PHYSICS	1,406	0	140	0	0	0	14	111	0	0	1,141	0	0
PHYSICAL SCI., NEC	55	0	0	0	0	0	24	0	0	0	31	0	0
MATHEMATICS	3,866	0	5	0	0	0	128	1,625	0	0	2,108	0	0
ENVIRONMENTAL SCI., TOTAL	5,741	0	0	381	0	0	2,582	2,204	0	0	574	0	0
ATMOSPHERIC SCI.	780	0	0	0	0	0	709	0	0	0	71	0	0
GEOLOGICAL SCI.	521	0	0	0	0	0	125	0	0	0	396	0	0
OCEANOGRAPHY	432	0	0	381	0	0	12	0	0	0	19	0	0
ENVIRONMENTAL SCI., NEC	4,008	0	0	0	0	0	1,736	2,204	0	0	64	0	0
ENGINEERING, TOTAL	12,631	0	1,083	0	0	0	2,254	2,942	0	1,041	1,898	3,413	0
AERONAUTICAL	52	0	0	0	0	0	0	0	0	0	52	0	0
ASTRONAUTICAL	0	0	0	0	0	0	0	0	0	0	0	0	0
CHEMICAL	375	0	3	0	0	0	46	21	0	0	305	0	0
CIVIL	5,188	0	0	0	0	0	1,553	155	0	0	67	3,413	0
ELECTRICAL	828	0	0	0	0	0	7	197	0	25	599	0	0
MECHANICAL	395	0	0	0	0	0	7	15	0	0	373	0	0
METALLURGY & MATERIALS	192	0	4	0	0	0	0	64	0	0	124	0	0
ENGINEERING, NEC	5,601	0	1,076	0	0	0	641	2,490	0	1,016	378	0	0
LIFE SCI., TOTAL	223,977	0	182	0	0	0	240	220,429	0	0	3,126	0	0
BIOLOGICAL	62,757	0	102	0	0	0	98	59,431	0	0	3,126	0	0
CLINICAL MEDICAL	122,694	0	0	0	0	0	0	122,094	0	0	0	0	0
OTHR MEDICAL	26,100	0	1	0	0	0	142	25,957	0	0	0	0	0
LIFE SCI., NEC	13,026	0	79	0	0	0	0	12,947	0	0	0	0	0
PSYCHOLOGY, TOTAL	32,706	0	0	0	0	0	0	31,502	0	0	1,156	48	0
BIOLOGICAL ASPECTS	16,893	0	0	0	0	0	0	16,885	0	0	8	0	0
SOCIAL ASPECTS	12,799	0	0	0	0	0	0	12,051	0	0	700	48	0
PSYCHOLOGICAL SCI., NEC	3,014	0	0	0	0	0	0	2,566	0	0	448	0	0
SOCIAL SCI., TOTAL	68,150	0	0	0	0	0	233	65,550	0	0	2,367	0	0
ANTHROPOLOGY	2,377	0	0	0	0	0	0	1,862	0	0	515	0	0
ECONOMICS	686	0	0	0	0	0	13	0	0	0	593	0	0
HISTORY	175	0	0	0	0	0	0	32	0	0	143	0	0
LINGUISTICS	316	0	0	0	0	0	0	144	0	0	172	0	0
POLITICAL SCI.	418	0	0	0	0	0	107	50	0	0	261	0	0
SOCIOLOGY	32,365	0	0	0	0	0	113	31,812	0	0	440	0	0
SOCIAL SCI., NEC	31,893	0	0	0	0	0	0	31,650	0	0	243	0	0
OTHER SCI., NEC	34,414	0	512	0	0	0	5	28,020	0	30	13,847	0	0

* INCLUDES AID, HUD, AND LABOR

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-21

NEW OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR FELLOWSHIPS, TRAINEESHIPS,
AND TRAINING GRANTS, BY DETAILED FIELD OF SCIENCE AND NEW COMPONENT, FY 1972
(DOLLARS IN THOUSANDS)

FIELD OF SCIENCE	TOTAL	NIH	NSMHA	DE	SRS	SSA	FOA	OTHER DHEW
TOTAL, ALL FIELDS	346,644	170,929	103,883	40,541	30,188	0	1,103	0
PHYSICAL SCI., TOTAL	2,372	2,322	50	0	0	0	0	0
ASTRONOMY	0	0	0	0	0	0	0	0
CHEMISTRY	2,261	2,211	50	0	0	0	0	0
PHYSICS	111	111	0	0	0	0	0	0
PHYSICAL SCI., NEC	0	0	0	0	0	0	0	0
MATHEMATICS	1,625	1,594	31	0	0	0	0	0
ENVIRONMENTAL SCI., TOTAL	2,204	1,655	549	0	0	0	0	0
ATMOSPHERIC SCI.	0	0	0	0	0	0	0	0
GEOLOGICAL SCI.	0	0	0	0	0	0	0	0
OCEANOGRAPHY	0	0	0	0	0	0	0	0
ENVIRONMENTAL SCI., NEC	2,204	1,655	549	0	0	0	0	0
ENGINEERING, TOTAL	2,942	2,787	155	0	0	0	0	0
AERONAUTICAL	0	0	0	0	0	0	0	0
ASTRONAUTICAL	0	0	0	0	0	0	0	0
CHEMICAL	21	21	0	0	0	0	0	0
CIVIL	155	0	155	0	0	0	0	0
ELECTRICAL	197	197	0	0	0	0	0	0
MECHANICAL	15	15	0	0	0	0	0	0
METALLURGY & MATERIALS	64	64	0	0	0	0	0	0
ENGINEERING, NEC	2,490	2,490	0	0	0	0	0	0
LIFE SCI., TOTAL	220,429	150,948	63,338	0	5,040	0	1,103	0
BIOLOGICAL	59,431	58,806	519	0	0	0	106	0
CLINICAL MEDICAL	122,094	77,592	39,662	0	5,040	0	0	0
OTHER MEDICAL	25,957	7,004	17,956	0	0	0	997	0
LIFE SCI., NEC	12,947	7,546	5,401	0	0	0	0	0
PSYCHOLOGY, TOTAL	31,502	5,115	19,147	552	6,688	0	0	0
BIOLOGICAL ASPECTS	16,885	2,410	14,475	0	0	0	0	0
SOCIAL ASPECTS	12,051	139	4,672	552	6,688	0	0	0
PSYCHOLOGICAL SCI., NEC	2,566	2,566	0	0	0	0	0	0
SOCIAL SCI., TOTAL	65,550	2,455	20,270	27,663	15,162	0	0	0
ANTHROPOLOGY	1,862	784	1,078	0	0	0	0	0
ECONOMICS	0	0	0	0	0	0	0	0
HISTORY	32	20	12	0	0	0	0	0
LINGUISTICS	144	0	144	0	0	0	0	0
POLITICAL SCI.	50	0	50	0	0	0	0	0
SOCIOLOGY	31,812	1,013	15,637	0	15,162	0	0	0
SOCIAL SCI., NEC	31,650	638	3,349	27,663	0	0	0	0
OTHER SCI., TOTAL	20,020	4,053	343	12,326	3,298	0	0	0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-22 FEDERAL OBLIGATIONS FOR FELLOWSHIPS, TRAINEESHIPS, AND TRAINING GRANTS TO THE 100 UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS IN MAJOR FIELD OF SCIENCE, FY 1972 (DOLLARS IN THOUSANDS)

RANK	INSTITUTION RANKED BY AMOUNT RECEIVED	TOTAL	PHYSICAL SCIENCES	MATHE- MATICS	ENVIRON- MENTAL SCIENCES	ENGINE- EERING	LIFE SCIENCES	PSYCHOL- OGY	SOCIAL SCIENCES	OTHER SCIENCES, MED.
	TOTAL, ALL INSTITUTIONS	187,888	6,433	3,856	9,741	12,531	223,977	32,735	68,190	34,414
	TOTAL, 100 INSTITUTIONS	815,507	6,957	3,210	3,965	4,736	239,773	29,313	43,931	22,398
1	HARVARD UNIV	11,673	441	143	331	95	4,476	614	820	755
2	UNIV OF WASHINGTON	3,269	217	163	95	217	8,542	931	649	662
3	JOHNS HOPKINS UNIV	2,336	16	167	143	191	7,737	896	198	361
4	UNIV OF MICHIGAN	4,474	117	19	84	924	4,233	321	2,335	634
5	STANFORD UNIV	4,466	294	363	25	797	4,754	825	628	856
6	UNIV OF MINNESOTA	4,444	43	41	67	121	5,773	456	1,188	419
7	UNIV OF PENNSYLVANIA	4,160	17	0	27	221	6,147	517	956	264
8	PALE UNIV	7,742	113	106	39	6	6,127	613	452	289
9	COLUMBIA UNIV	7,742	110	7	19	51	5,144	204	1,550	441
10	UNIV OF CAL IFN ANGELES	7,630	77	134	123	203	9,133	311	579	373
11	UNIV OF WISCONSIN	7,547	54	44	123	226	4,462	591	1,256	644
12	NEW YORK UNIV	7,389	14	92	0	111	4,627	759	1,001	649
13	UNIV OF CHICAGO	6,966	134	218	387	0	4,417	645	862	315
14	WASHINGTON UNIV	6,454	6	0	20	56	5,137	397	718	261
15	DUKE UNIV	6,396	44	25	0	15	4,436	711	175	191
16	UNIV OF CAL BERKELEY	5,29	317	234	19	227	2,619	646	1,613	667
17	UNIV OF CAL SAN FRANCISCO	6,317	2	0	5	36	5,796	40	132	45
18	UNIV OF WISCONSIN	5,726	2	193	245	63	3,126	637	706	555
19	CASE WESTERN RESERVE UNIV	4,395	26	2	29	166	3,183	314	65	420
20	CORNELL UNIV	4,391	143	112	19	153	3,620	295	411	439
21	YERKES UNIV	4,799	7	0	0	0	4,121	257	148	66
22	DYSON UNIV	4,619	54	0	0	0	3,056	382	474	253
23	UNIV OF COLORADO	4,369	22	0	23	49	3,056	463	141	397
24	MASS INST OF TECH	4,318	336	224	73	913	1,546	438	283	415
25	UNIV OF ROCHESTER	3,982	15	7	9	11	3,982	616	61	212
26	UNIV OF SOUTHERN CAL	3,976	84	112	229	249	1,546	554	1,031	1,1
27	UNIV OF PITTSBURGH	3,321	23	37	0	13	3,321	275	914	279
28	IND STATE UNIV	3,760	157	91	9	166	1,320	327	429	381
29	UNIV OF FLORIDA	3,760	24	0	232	154	2,120	142	263	349
30	UNIVERSITY OF ALABAMA	3,671	43	13	0	559	1,451	311	925	347
31	UNIV OF IOWA	3,654	27	0	3	134	2,291	554	485	232
32	UNIV OF KANSAS	3,671	245	0	0	16	1,139	447	1,021	193
33	UNIV OF UTAH	3,417	54	29	0	26	2,745	222	654	210
34	UNIV OF ILLINOIS-URBANA	3,272	132	28	61	221	1,227	925	649	465
35	UNIV OF TEXAS AT AUSTIN	3,091	75	0	7	381	1,369	636	866	368
36	UNIV OF CAL SAN DIEGO	3,383	51	0	24	14	2,543	120	195	129
37	VANDERBILT UNIV	2,999	21	7	46	139	2,755	195	93	183
38	DUKE UNIV	2,845	0	10	3	58	2,115	6	454	197
39	UNIV OF VIRGINIA	2,645	67	0	3	128	1,806	114	146	282
40	UNIV OF CINCINNATI	2,647	21	6	172	155	1,707	265	236	125
41	MICHIGAN STATE UNIV	2,611	49	0	157	57	1,184	395	258	325
42	PURDUE UNIV	2,334	62	13	23	318	1,302	164	89	381
43	JOHNS STATE UNIV	2,321	7	0	0	23	1,104	275	578	258
44	TEMPLE UNIV	2,241	9	0	0	19	1,729	94	306	82
45	ENRICH UNIV	2,210	44	18	9	0	1,922	79	21	121
46	UNIV OF ARIZONA	2,204	1	0	13	22	438	219	563	958
47	SUNY ST J BUFFALO	2,169	98	99	3	0	1,459	162	194	205
48	UNIV OF MISSOURI COLUMBIA	2,163	14	0	7	45	329	112	543	271
49	UNIV OF OREGON - EUGENE	2,083	19	0	7	0	514	465	793	193
50	FLORIDA STATE UNIV	2,066	26	92	5	154	344	534	738	294
51	UNIV OF CAL DAVIS	2,045	21	0	7	23	1,604	113	283	193
52	CATHOLIC UNIV OF AMERICA	2,042	0	0	0	165	179	66	1,391	141
53	TAYLOR COL OF MICHIGAN	2,039	0	0	0	1	1,945	37	0	11
54	UNIV OF TEXAS AT DALLAS	2,030	0	0	0	0	1,997	20	0	0
55	RUTGERS UNIVERSITY	2,007	4	45	126	26	725	364	547	185
56	SUNY ST SENECA COL OF MICHIGAN	1,982	0	0	0	0	1,982	0	0	0
57	UNIV OF OKLAHOMA	1,979	10	0	67	119	1,130	150	334	194
58	UNIV OF NEVADA	1,912	0	0	0	0	1,523	73	93	115
59	UNIV OF ILLINOIS-SPRNG CRT	1,911	0	0	3	52	1,674	91	0	94
60	UNIV OF ALA IN BIRMINGHAM	1,909	15	0	0	71	1,751	9	0	113
61	SYRACUSE UNIV	1,900	0	0	0	177	114	397	1,028	194
62	UNIV OF CONNECTICUT	1,796	0	0	0	0	736	255	595	218
63	UNIV OF MICHIGAN MEDICAL SCHOOL	1,754	0	0	0	0	1,546	71	41	0
64	UNIV OF MD BALTIMORE	1,722	0	0	0	0	1,525	24	119	72
65	PENNSYLVANIA STATE UNIV	1,699	14	7	144	110	373	141	477	347
66	VA COMMONWEALTH UNIV	1,674	0	0	3	0	1,114	227	263	34
67	INDIANA UNIV-BLOOMINGTON	1,570	29	26	0	0	579	121	518	298
68	TEACHERS COL	1,527	0	0	0	0	531	313	582	161
69	UNIV OF KENTUCKY	1,501	7	0	75	0	340	93	237	171
70	CAL INST OF TECH	1,483	220	73	211	32	695	63	0	183

CONTINUED TABLE B-22 FEDERAL OBLIGATIONS FOR FELLOWSHIPS, TRAINEESHIPS, AND TRAINING GRANTS TO THE 100 UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS IN MAJOR FIELD OF SCIENCE, FY 1972 (DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY AMOUNT RECEIVED)	TOTAL	PHYSICAL SCIENCES	MATHE- MATICS	ENVIRON- MENTAL SCIENCES	ENGI- NEERING	LIFE SCIENCES	PSYCHOL- OGY	SOCIAL SCIENCES	OTHER SCIENCES, ETC.
71	BRANDEIS UNIV	1,477	22	0	0	0	813	64	486	175
72	HOVARD UNIV	1,460	17	0	66	0	779	94	448	78
73	PRINCETON UNIV	1,442	221	216	12	18	465	31	61	295
74	GEORGETOWN UNIV	1,424	11	0	14	0	1,253	23	32	81
75	UNIV OF ARIZONA	1,425	17	0	0	0	731	33	640	284
76	INDIANA UNIV-INDIANAPOLIS	1,424	0	0	3	0	1,257	65	128	0
77	UNIV OF TEXAS AT AUSTIN	1,383	24	6	174	44	412	244	208	261
78	UNIV OF PENN AND JAMES HENRY	1,283	1	0	0	10	1,196	13	0	66
79	UNIV OF MICHIGAN MED SCH	1,271	0	0	0	0	1,215	3	0	6
80	WEST VIRGINIA UNIV	1,195	0	0	15	15	525	142	298	99
81	UIST UNIV	1,160	13	6	3	6	988	59	0	79
82	ST LOUIS UNIV	1,102	0	0	0	0	632	93	306	84
83	JOHN JEFFERSON UNIV HOSP	1,094	0	0	0	0	1,097	0	0	7
84	UNIV OF TEXAS MED BRANCH DALLAS	1,091	0	1	0	0	893	0	0	188
85	WESTERN COL	1,090	0	0	0	0	213	0	642	238
86	UNIV OF NEW MEXICO	1,087	19	0	0	27	597	135	206	172
87	GEORGE WASHINGTON UNIV	1,079	0	0	6	0	161	0	475	117
88	UNIV OF CAL (RIVERSIDE)	1,038	15	0	0	0	797	0	44	77
89	UNIV OF GEORGIA	984	64	7	0	6	241	364	135	162
90	UNIV OF TEXAS MED BRANCH DALLAS	952	0	0	0	0	325	27	0	0
91	UNIV OF MICHIGAN MED SCH	939	16	0	8	149	38	134	541	69
92	ARIZONA UNIV	935	0	0	0	0	291	135	473	36
93	JOHN HOPKINS UNIV MED SCH	923	0	0	0	0	313	0	0	13
94	UNIV OF CAL (SAN DIEGO)	922	58	0	3	3	728	64	6	58
95	CALIF ST UNIV S. FRANCISCO	905	0	0	3	0	50	225	618	0
96	ALABAMA MEDICAL COL	872	0	0	0	0	672	0	0	0
97	MASSACHUSETTS MEDICAL COL	864	0	0	0	0	729	125	0	0
98	UNIV OF TEXAS MED BRANCH DALLAS	864	11	67	104	57	112	0	178	122
99	UNIV OF TEXAS MED BRANCH DALLAS	852	19	7	23	0	271	140	49	343
100	UNIV OF LOUISVILLE	819	3	0	0	17	466	7	296	53

SOURCE: NATIONAL SCIENCE FOUNDATION

B-23. Federal obligations to universities and colleges, by agency and type of control: FY 1972

(Dollars in thousands)

Agency	Total		Public			Private		
	Amount	Vertical percent distribution	Amount	Vertical percent distribution	Percent of agency total	Amount	Vertical percent distribution	Percent of agency total
Total	4,130,561	100.00	2,487,362	100.00	60.22	1,643,199	100.00	39.78
Department of Agriculture	238,555	5.78	229,744	9.24	96.31	8,811	.54	3.69
Atomic Energy Commission	95,267	2.31	49,755	2.00	52.23	45,512	2.77	47.77
Department of Commerce	26,021	.63	19,531	.79	75.06	6,490	.39	24.94
Department of Defense	243,884	5.90	112,825	4.54	46.26	131,059	7.98	53.74
Office of Economic Opportunity	30,005	.73	15,828	.64	52.75	14,177	.86	47.25
Environmental Protection Agency	23,284	.56	16,921	.68	72.67	6,363	.39	27.33
Department of Health, Education, and Welfare	2,827,941	68.46	1,671,650	67.21	59.11	1,156,291	70.37	40.89
Department of the Interior	24,395	.59	21,659	.87	88.78	2,736	.17	11.22
National Aeronautics and Space Administration	119,000	2.88	62,767	2.52	52.75	56,233	3.42	47.25
National Science Foundation	458,678	11.10	258,420	10.39	56.34	200,258	12.19	43.66
Department of Transportation	15,874	.38	10,357	.42	65.25	5,517	.34	34.75
Other ¹	27,857	.67	17,905	.72	64.74	9,752	.59	35.26

¹Includes AID, HUD, and Labor.

SOURCE: National Science Foundation

TABLE B 24. TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES AND THE NUMBER OF RECIPIENT INSTITUTIONS, BY GEOGRAPHIC DIVISION, STATE, TYPE OF CONTROL, AND TYPE OF ACTIVITY, FY 1972 (DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION, STATE, AND TYPE OF CONTROL		TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE-----							OTHER SCIENCE	NON- SCIENCE
			TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR. IN SCI. & ENG.	FELLOWSHIPS, TRAIN. GRANTS	GENERAL SUPPORT FOR SCIENCE			
UNITED STATES, TOTAL PUBLIC	AMT NO.	2,487,362 1,146	1,918,038 723	1,033,584 356	19,646 60	16,936 450	213,738 429	47,047 363	187,095 288	969,324 1,140	
PRIVATE	AMT NO.	1,643,199 1,267	1,080,951 696	819,379 281	17,271 37	9,405 362	174,158 368	36,241 329	24,497 184	562,248 1,249	
NEW ENGLAND, TOTAL PUBLIC	AMT NO.	74,495 72	62,539 44	29,114 10	62 2	693 22	4,716 25	1,338 20	6,624 13	31,956 71	
PRIVATE	AMT NO.	344,021 147	289,691 89	233,937 63	5,648 7	987 46	36,177 44	9,555 44	3,395 23	58,330 142	
MAINE PUBLIC	AMT NO.	6,942 10	3,368 6	1,659 2	0 0	64 4	427 4	96 3	1,122 2	3,574 9	
PRIVATE	AMT NO.	1,935 12	483 5	78 2	0 0	19 4	18 1	45 2	323 2	1,452 12	
NEW HAMPSHIRE PUBLIC	AMT NO.	6,516 8	3,740 3	2,546 2	0 0	6 1	221 2	101 2	866 1	2,776 8	
PRIVATE	AMT NO.	10,136 14	5,950 6	4,196 2	28 1	99 6	952 3	244 2	431 1	4,186 14	
VERMONT PUBLIC	AMT NO.	11,534 5	7,016 4	4,908 2	0 0	33 3	789 2	298 1	996 1	4,518 8	
PRIVATE	AMT NO.	1,902 13	581 8	132 3	0 0	96 4	73 4	25 3	175 1	1,481 13	
MASSACHUSETTS PUBLIC	AMT NO.	22,364 31	11,575 19	8,192 6	8 0	300 4	1,073 11	240 8	1,770 4	10,789 31	
PRIVATE	AMT NO.	265,819 89	228,993 42	192,264 22	4,142 5	422 19	26,199 25	4,183 26	1,783 14	36,826 78	
RHODE ISLAND PUBLIC	AMT NO.	8,812 3	6,398 3	5,347 2	47 1	64 3	162 2	168 2	610 2	2,414 3	
PRIVATE	AMT NO.	12,859 10	9,630 7	8,219 3	0 0	83 5	927 3	296 2	185 1	3,229 11	
CONNECTICUT PUBLIC	AMT NO.	18,327 17	10,442 9	6,462 2	15 1	226 7	2,044 4	435 4	1,269 3	7,885 17	
PRIVATE	AMT NO.	51,378 18	40,134 12	29,048 11	1,470 1	268 8	8,008 8	762 9	578 4	11,236 17	
MIDDLE ATLANTIC, TOTAL PUBLIC	AMT NO.	245,835 130	129,110 96	89,116 43	264 3	2,674 46	21,023 55	9,388 43	11,245 44	116,725 130	
PRIVATE	AMT NO.	426,602 248	314,719 147	234,223 63	3,794 12	2,262 83	52,394 88	10,573 79	11,473 59	111,883 245	
NEW YORK PUBLIC	AMT NO.	112,881 76	55,798 56	40,677 38	28 1	1,026 16	9,838 29	2,865 25	2,172 38	97,083 76	
PRIVATE	AMT NO.	290,720 129	226,895 62	168,864 34	3,364 7	1,116 24	37,621 44	6,619 48	9,181 29	64,835 126	
NEW JERSEY PUBLIC	AMT NO.	39,674 25	15,586 15	9,797 5	50 1	253 10	2,855 12	637 6	1,908 4	24,174 25	
PRIVATE	AMT NO.	27,986 25	19,829 13	16,813 5	252 2	368 7	1,779 7	1,843 8	398 5	8,157 25	
PENNSYLVANIA PUBLIC	AMT NO.	93,288 24	57,812 25	38,642 8	186 1	795 18	8,338 14	2,686 12	7,165 10	35,468 24	
PRIVATE	AMT NO.	197,896 54	68,205 72	49,346 24	178 3	798 52	12,998 29	2,911 31	1,974 25	39,691 54	

CONTINUED TABLE B 2b TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES AND THE NUMBER OF RECIPIENT INSTITUTIONS, BY GEOGRAPHIC DIVISION, STATE, TYPE OF CONTROL, AND TYPE OF ACTIVITY, FY 1972 (DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION, STATE, AND TYPE OF CONTROL		TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE-----								NON- SCIENCE
			TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR. IN SCI. & ENG.	FELLOWSHIPS, GRANTS, TRAIN.	GENERAL SUPPORT FOR SCIENCE	OTHER SCIENCE		
EAST NORTH CENTRAL, TOTAL											
	PUBLIC	AMT NO.	453,244 140	293,002 92	203,602 48	1,007 9	3,277 71	44,106 54	9,644 44	30,400 35	160,162 147
	PRIVATE	AMT NO.	176,890 219	108,807 111	81,693 43	774 6	1,944 53	19,300 51	2,792 54	2,776 24	60,003 215
OHIO											
	PUBLIC	AMT NO.	84,053 24	49,389 14	32,654 14	593 3	512 11	7,747 13	1,279 13	6,604 8	34,664 24
	PRIVATE	AMT NO.	50,131 54	20,937 32	21,426 13	22 1	508 10	9,366 23	748 16	467 9	21,994 54
INDIANA											
	PUBLIC	AMT NO.	67,324 7	49,769 7	30,462 5	308 2	916 6	9,607 7	2,900 5	9,008 5	21,555 7
	PRIVATE	AMT NO.	13,693 35	9,803 17	4,137 5	119 1	95 7	491 9	377 6	660 3	7,007 33
ILLINOIS											
	PUBLIC	AMT NO.	85,495 48	91,609 74	39,317 10	633 1	804 17	6,972 11	976 10	6,907 6	33,000 48
	PRIVATE	AMT NO.	92,814 82	67,465 74	51,350 11	614 3	395 13	12,404 13	1,341 10	1,273 7	25,349 82
MICHIGAN											
	PUBLIC	AMT NO.	132,463 42	86,914 24	61,909 10	202 2	495 17	14,601 13	3,649 12	9,978 7	45,409 42
	PRIVATE	AMT NO.	9,066 38	1,160 17	311 0	0 0	433 8	116 6	60 11	240 2	7,030 37
WISCONSIN											
	PUBLIC	AMT NO.	83,969 27	99,401 73	43,260 10	191 1	950 20	9,099 12	752 0	9,109 9	24,560 26
	PRIVATE	AMT NO.	11,249 25	9,034 16	4,461 6	23 1	113 7	851 10	250 0	120 3	9,415 24
WEST NORTH CENTRAL, TOTAL											
	PUBLIC	AMT NO.	239,654 123	141,009 67	90,499 33	304 9	1,642 44	23,040 45	4,423 33	22,501 20	97,765 123
	PRIVATE	AMT NO.	81,265 148	39,495 75	20,104 23	10 1	905 44	0,643 37	1,065 26	700 12	41,770 148
MINNESOTA											
	PUBLIC	AMT NO.	71,905 25	90,503 11	36,467 3	60 1	109 0	0,916 0	904 0	4,053 3	21,322 25
	PRIVATE	AMT NO.	6,413 28	1,153 17	116 5	0 0	321 9	206 7	57 7	373 4	9,260 28
IOWA											
	PUBLIC	AMT NO.	40,560 17	26,014 0	16,009 5	0 0	70 5	4,466 6	1,105 3	4,276 3	13,746 17
	PRIVATE	AMT NO.	9,430 35	744 14	49 4	0 0	211 10	209 0	110 10	157 2	0,600 35
MISSOURI											
	PUBLIC	AMT NO.	40,560 24	19,077 10	10,504 10	95 1	314 13	2,765 10	745 10	9,374 9	20,603 24
	PRIVATE	AMT NO.	52,090 34	35,013 19	26,905 5	10 1	171 9	7,704 9	700 3	03 3	17,077 34
NORTH DAKOTA											
	PUBLIC	AMT NO.	13,219 9	5,702 5	3,506 3	0 0	59 4	475 3	121 3	1,625 3	7,437 5
	PRIVATE	AMT NO.	1,562 2	346 2	202 1	0 0	14 2	50 2	0 0	0 0	1,216 2
SOUTH DAKOTA											
	PUBLIC	AMT NO.	14,030 7	9,544 6	3,016 3	0 0	26 5	441 5	105 3	1,956 2	0,400 7
	PRIVATE	AMT NO.	2,249 9	329 6	70 2	0 0	89 6	75 3	39 1	40 1	1,920 9

CONTINUED TABLE 3.2b TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES AND THE NUMBER OF RECIPIENT INSTITUTIONS, BY GEOGRAPHIC DIVISION, STATE, TYPE OF CONTROL, AND TYPE OF ACTIVITY, FY 1972 (DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION, STATE, AND TYPE OF CONTROL		TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE-----							NON- SCIENCE
			TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR. IN SCI. & ENG.	FELLOWSHIPS, TRAIN. GRANTS	GENERAL SUPPORT FOR SCIENCE	OTHER SCIENCE	
WEST NORTH CENTRAL										
NEBRASKA PUBLIC	AMT	21,524	11,113	6,795	14	119	1,636	269	2,200	10,411
	NO.	14	9	5	1	4	6	2	3	14
PRIVATE	AMT	5,557	950	574	0	48	155	66	187	4,607
	NO.	13	9	4	0	5	3	3	2	13
KANSAS PUBLIC	AMT	37,856	22,176	13,248	215	261	4,341	1,174	2,937	19,648
	NO.	27	19	4	2	7	7	6	5	27
PRIVATE	AMT	3,164	180	20	0	51	84	5	0	3,104
	NO.	24	8	2	0	3	5	2	0	24
SOUTH ATLANTIC, TOTAL										
PUBLIC	AMT	335,219	190,077	115,425	848	2,088	28,637	7,848	35,311	145,132
	NO.	219	130	55	10	72	78	56	49	213
PRIVATE	AMT	297,575	150,311	104,637	5,930	1,784	28,683	6,932	2,345	147,264
	NO.	195	109	39	5	51	54	47	24	190
DELAWARE PUBLIC	AMT	7,090	4,823	2,898	15	48	346	78	1,438	2,267
	NO.	3	3	2	1	3	2	2	2	3
PRIVATE	AMT	422	69	0	0	40	5	0	0	377
	NO.	4	2	0	0	2	1	0	0	4
MARYLAND PUBLIC	AMT	40,842	24,394	17,921	42	159	2,099	627	2,746	15,648
	NO.	25	16	9	1	8	8	9	6	25
PRIVATE	AMT	56,426	46,423	35,675	120	78	9,114	845	591	10,083
	NO.	23	10	6	1	2	8	4	1	23
DIST. OF COLUMBIA										
PUBLIC	AMT	5,157	1,091	238	0	126	102	73	560	4,066
	NO.	3	3	2	0	3	1	1	2	3
PRIVATE	AMT	132,992	30,254	21,536	30	165	6,637	962	924	72,738
	NO.	13	9	6	1	6	7	7	6	12
VIRGINIA PUBLIC	AMT	51,342	31,962	19,256	87	174	5,273	1,612	5,566	19,380
	NO.	33	23	9	1	17	11	10	7	33
PRIVATE	AMT	7,943	941	192	0	311	99	168	171	7,002
	NO.	27	18	5	0	13	4	8	3	27
WEST VIRGINIA PUBLIC	AMT	19,265	8,218	4,049	14	132	1,297	215	2,511	11,047
	NO.	14	10	5	1	4	7	3	1	13
PRIVATE	AMT	3,424	571	96	0	407	13	14	41	2,853
	NO.	9	6	1	0	4	2	2	1	9
NORTH CAROLINA PUBLIC	AMT	75,571	46,467	28,274	83	228	8,172	1,714	8,004	29,104
	NO.	52	24	8	2	15	15	18	8	52
PRIVATE	AMT	55,122	36,973	20,771	5,599	358	7,484	2,611	150	18,149
	NO.	42	23	4	1	16	14	9	3	42
SOUTH CAROLINA PUBLIC	AMT	26,552	11,772	5,529	32	285	1,418	389	4,119	14,780
	NO.	20	11	4	1	6	7	4	3	20
PRIVATE	AMT	8,753	672	182	17	352	111	10	0	8,081
	NO.	22	14	3	1	9	5	2	0	22
GEORGIA PUBLIC	AMT	42,618	25,810	16,403	42	283	2,571	641	5,790	16,888
	NO.	29	19	16	1	5	15	10	7	28
PRIVATE	AMT	27,911	13,465	8,369	0	45	3,135	1,579	337	14,446
	NO.	32	14	7	0	2	8	8	5	29
FLORIDA PUBLIC	AMT	67,572	35,546	21,791	933	581	6,559	2,499	4,577	32,032
	NO.	36	21	6	2	13	12	7	11	36
PRIVATE	AMT	34,582	20,967	17,816	164	28	2,085	743	131	13,615
	NO.	23	13	6	1	3	5	7	5	22

CONTINUED TABLE B-2. TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES AND THE NUMBER OF RECIPIENT INSTITUTIONS, BY GEOGRAPHIC DIVISION, STATE, TYPE OF CONTROL, AND TYPE OF ACTIVITY, FY 1972 (DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION, STATE, AND TYPE OF CONTROL		TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE-----								NON- SCIENCE
			TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	WED PLANT	FACIL. FOR INSTR. IN SCI. & ENG.	FELLOWSHIPS, TRAINEESHIPS, GRANTS	GENERAL SUPPORT FOR SCIENCE	OTHER SCIENCE		
EAST SOUTH CENTRAL, TOTAL											
PUBLIC	AMT NO.	168,791 81	85,865 48	48,587 26	1,338 6	1,282 33	10,307 32	2,516 31	21,835 24	82,926 81	
PRIVATE	AMT NO.	76,101 97	26,234 45	14,465 13	50 2	461 24	5,448 24	5,079 15	731 12	49,867 87	
KENTUCKY											
PUBLIC	AMT NO.	36,139 7	17,943 7	9,245 6	9 1	287 6	2,510 7	630 6	5,262 8	18,196 7	
PRIVATE	AMT NO.	6,462 25	397 10	0 0	0 0	213 5	163 7	15 2	6 1	6,065 24	
TENNESSEE											
PUBLIC	AMT NO.	39,373 28	21,137 13	11,595 7	76 2	332 8	3,034 8	626 9	5,474 6	18,236 20	
PRIVATE	AMT NO.	47,288 39	21,118 20	13,271 8	50 2	76 9	4,879 13	2,391 6	451 9	26,170 34	
ALABAMA											
PUBLIC	AMT NO.	58,842 24	31,256 17	19,918 8	1,200 1	552 13	3,474 11	786 9	5,326 6	27,586 24	
PRIVATE	AMT NO.	15,883 19	3,272 8	1,183 3	0 0	29 2	358 4	1,428 4	274 2	12,611 19	
MISSISSIPPI											
PUBLIC	AMT NO.	54,437 25	19,529 11	7,829 5	53 2	111 6	1,289 5	474 7	5,773 6	18,908 25	
PRIVATE	AMT NO.	6,468 14	1,447 7	11 1	0 0	143 4	48 2	1,245 3	0 0	5,021 14	
WEST SOUTH CENTRAL, TOTAL											
PUBLIC	AMT NO.	236,688 122	135,395 54	81,039 48	4,821 3	2,153 65	16,416 51	5,366 51	25,550 37	101,293 121	
PRIVATE	AMT NO.	76,300 82	37,502 47	27,518 23	156 1	398 24	6,618 26	2,349 20	463 8	38,798 82	
ARKANSAS											
PUBLIC	AMT NO.	23,744 12	13,011 11	6,566 8	0 0	235 9	1,160 7	310 5	4,740 4	10,733 12	
PRIVATE	AMT NO.	3,800 11	45 3	35 2	0 0	1 1	0 0	9 1	0 0	3,755 11	
LOUISIANA											
PUBLIC	AMT NO.	37,520 13	17,738 13	8,968 10	0 0	428 10	2,287 10	1,625 11	4,430 8	19,782 13	
PRIVATE	AMT NO.	20,506 11	11,766 8	7,543 5	0 0	48 5	3,154 4	885 4	136 2	8,740 11	
OKLAHOMA											
PUBLIC	AMT NO.	35,712 23	16,456 15	7,763 7	32 1	142 8	2,695 8	672 7	5,152 7	19,256 23	
PRIVATE	AMT NO.	2,883 11	493 8	200 3	0 0	80 3	194 6	19 3	0 0	2,390 11	
TEXAS											
PUBLIC	AMT NO.	139,712 74	88,190 55	57,792 24	4,789 2	1,348 38	10,274 26	2,759 28	11,228 17	51,522 73	
PRIVATE	AMT NO.	49,111 49	25,198 28	19,740 13	156 1	269 15	3,270 16	1,436 12	327 6	23,913 49	
MOUNTAIN, TOTAL											
PUBLIC	AMT NO.	209,567 77	129,201 55	92,778 24	3,847 7	922 38	15,535 32	2,926 30	13,193 22	80,366 76	
PRIVATE	AMT NO.	14,188 24	7,958 14	5,913 7	0 0	114 8	1,156 7	233 8	542 4	6,230 24	
MONTANA											
PUBLIC	AMT NO.	11,513 9	5,915 8	3,593 2	0 0	116 6	718 4	159 4	1,329 3	5,598 8	
PRIVATE	AMT NO.	1,460 3	12 2	0 0	0 0	12 2	0 0	0 0	0 0	1,448 3	

CONTINUED TABLE B 2b TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES AND THE NUMBER OF RECIPIENT INSTITUTIONS, BY GEOGRAPHIC DIVISION, STATE, TYPE OF CONTROL, AND TYPE OF ACTIVITY, FY 1972 (DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION, STATE, AND TYPE OF CONTROL		TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE-----								NON- SCIENCE
			TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INST. IN SCI. & ENG.	FELLOWSHIPS, TRAIN. GRANTS	GENERAL SUPPORT FOR SCIENCE	OTHER SCIENCE		
MOUNTAIN											
IDAHO	PUBLIC	AMT 7,424 NO. 6	3,463 5	1,781 2	0 0	70 4	300 3	143 2	1,169 1	3,981 8	
	PRIVATE	AMT 462 NO. 2	31 2	8 1	0 0	7 1	6 1	0 0	10 1	431 2	
WYOMING	PUBLIC	AMT 7,343 NO. 7	4,494 3	2,998 1	0 1	53 3	267 1	88 1	1,090 1	2,841 7	
	PRIVATE	AMT 29 NO. 1	1 0	0 0	0 0	0 0	0 0	0 0	0 0	29 1	
COLORADO	PUBLIC	AMT 61,866 NO. 21	42,288 13	32,090 6	64 2	246 4	5,590 6	880 7	3,424 5	19,578 21	
	PRIVATE	AMT 7,354 NO. 8	6,406 4	4,955 2	0 0	26 2	798 4	143 4	484 2	948 8	
NEW MEXICO	PUBLIC	AMT 34,736 NO. 8	20,698 6	12,423 4	3,375 1	91 4	1,467 6	435 5	2,922 4	14,038 8	
	PRIVATE	AMT 2,411 NO. 2	249 2	45 2	0 0	58 1	138 1	8 1	0 0	2,162 2	
ARIZONA	PUBLIC	AMT 33,928 NO. 13	17,557 9	12,080 4	82 1	200 8	3,202 7	445 4	1,548 3	16,371 13	
	PRIVATE	AMT 881 NO. 4	30 2	2 1	0 0	0 0	0 0	28 2	0 0	851 4	
UTAH	PUBLIC	AMT 45,802 NO. 9	30,564 7	24,568 4	318 2	57 6	3,684 3	687 4	1,190 3	15,298 9	
	PRIVATE	AMT 1,568 NO. 3	1,230 2	903 1	0 0	11 2	214 1	54 1	48 1	338 2	
NEVADA	PUBLIC	AMT 6,955 NO. 4	4,282 4	3,247 3	0 0	98 3	327 2	97 3	521 2	2,673 3	
	PRIVATE	AMT 23 NO. 1	0 0	0 0	0 0	0 0	0 0	0 0	0 0	23 1	
PACIFIC, TOTAL	PUBLIC	AMT 500,206 NO. 173	358,218 92	278,154 56	6,108 15	1,791 55	48,385 51	7,351 46	18,429 33	181,988 173	
	PRIVATE	AMT 145,979 NO. 102	109,869 58	88,879 26	917 3	797 29	15,642 33	1,633 38	2,861 17	38,110 102	
WASHINGTON	PUBLIC	AMT 91,912 NO. 28	67,188 21	52,753 7	298 2	386 17	10,182 9	984 6	2,585 3	24,724 28	
	PRIVATE	AMT 3,754 NO. 11	494 11	73 3	0 0	42 6	198 6	62 5	119 3	3,260 11	
OREGON	PUBLIC	AMT 47,486 NO. 21	31,337 15	22,164 10	122 2	206 9	5,859 8	762 7	2,224 6	16,149 21	
	PRIVATE	AMT 3,636 NO. 17	1,107 10	728 5	0 0	23 4	197 7	45 3	122 4	2,529 16	
CALIFORNIA	PUBLIC	AMT 327,997 NO. 122	233,605 54	181,841 37	5,360 9	1,082 27	38,869 32	4,624 31	9,829 22	94,392 122	
	PRIVATE	AMT 137,562 NO. 68	108,252 36	88,086 18	917 3	716 18	15,247 17	1,526 22	1,760 10	29,310 68	
ALASKA	PUBLIC	AMT 10,360 NO. 1	9,657 1	8,419 1	49 1	60 1	50 1	222 1	897 1	703 1	
	PRIVATE	AMT 542 NO. 2	16 1	0 0	0 0	16 1	0 0	0 0	0 0	526 2	

CONTINUED TABLE B 25 TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES AND THE NUMBER OF RECIPIENT INSTITUTIONS, BY GEOGRAPHIC DIVISION, STATE, TYPE OF CONTROL, AND TYPE OF ACTIVITY, FY 1972 (DOLLARS IN THOUSANDS)

GEOGRAPHIC DIVISION, STATE, AND TYPE OF CONTROL		TOTAL, ALL ACTIVITIES	-----ACADEMIC SCIENCE-----								NON- SCIENCE
			TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR. IN SCI. & ENG.	FELLOWSHIPS, GRANTS TRAIN.	GENERAL SUPPORT FOR SCIENCE	OTHER SCIENCE		
PACIFIC											
HAWAII	PUBLIC	AMT	22,451	16,431	12,977	279	97	1,425	759	934	6,020
		NO.	1	1	1	1	1	1	1	1	1
	PRIVATE	AMT	485	0	0	0	0	0	0	0	485
		NO.	4	0	0	0	0	0	0	0	4
OUTLYING AREAS, TOTAL											
	PUBLIC	AMT	23,673	12,662	5,220	87	1,694	1,485	255	3,921	11,011
		NO.	5	5	5	0	4	4	5	3	5
	PRIVATE	AMT	4,278	285	10	0	153	89	30	3	3,993
		NO.	5	4	1	0	4	3	1	1	5
GUAM	PUBLIC	AMT	493	83	42	0	32	0	9	0	410
		NO.	1	1	1	0	1	0	1	0	1
PUERTO RICO	PUBLIC	AMT	22,610	12,455	5,172	87	1,630	1,463	235	3,868	10,163
		NO.	3	3	3	0	2	3	3	2	3
	PRIVATE	AMT	4,278	285	10	0	153	89	30	3	3,993
		NO.	5	4	1	0	4	3	1	1	5
VIRGIN ISLANDS	PUBLIC	AMT	562	124	6	0	32	22	11	93	438
		NO.	1	1	1	0	1	1	1	1	1

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-25 PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES, BY GEOGRAPHIC DIVISION, STATE, TYPE OF CONTROL, AND TYPE OF ACTIVITY FY 1972

GEOGRAPHIC DIVISION, STATE, AND TYPE OF CONTROL	TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE-----							
		TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR IN SCI. & ENG.	FELLOWSHIPS, TRAIN. GRANTS	SUPPORT FOR GENERAL SCIENCE	OTHER SCIENCE	NON SCIENCE
UNITED STATES, TOTAL									
PUBLIC	60.22	58.41	55.78	53.22	64.30	55.10	56.49	88.42	63.29
PRIVATE	39.78	41.59	44.22	46.78	35.70	44.90	43.91	11.58	36.71
NEW ENGLAND, TOTAL									
PUBLIC	17.80	12.96	11.07	1.09	41.25	11.53	19.32	66.11	35.39
PRIVATE	82.20	87.04	88.93	98.91	58.75	88.47	80.68	33.89	64.61
MAINE, TOTAL									
PUBLIC	78.20	87.46	95.51	.00	77.11	95.96	60.09	77.65	71.11
PRIVATE	21.80	12.54	4.49	.00	22.89	4.04	31.91	22.35	28.89
NEW HAMPSHIRE, TOTAL									
PUBLIC	39.13	38.60	37.76	.00	9.71	18.84	29.28	66.77	39.87
PRIVATE	60.87	61.40	62.24	100.00	94.29	81.16	70.72	33.23	60.13
VERMONT, TOTAL									
PUBLIC	85.84	93.34	97.38	.00	25.58	91.53	92.06	85.86	76.33
PRIVATE	14.16	6.66	2.62	.00	74.42	8.47	7.94	14.94	23.67
MASSACHUSETTS, TOTAL									
PUBLIC	7.76	4.81	4.09	.08	41.55	3.93	5.43	49.82	22.66
PRIVATE	92.24	95.19	95.91	100.00	58.45	96.07	94.57	50.18	77.34
RHODE ISLAND, TOTAL									
PUBLIC	40.66	39.92	39.41	100.00	43.54	14.88	36.21	85.31	42.78
PRIVATE	59.34	60.08	60.59	.00	56.46	85.12	63.79	14.69	57.22
CONNECTICUT, TOTAL									
PUBLIC	26.30	20.65	11.28	1.01	45.75	28.33	36.34	68.55	41.24
PRIVATE	73.70	79.35	81.68	98.99	54.25	79.67	63.66	31.45	58.76
MIDDLE ATLANTIC, TOTAL									
PUBLIC	36.56	29.09	27.56	6.51	47.83	28.64	33.76	49.50	51.06
PRIVATE	63.44	70.91	72.44	93.49	52.17	71.36	66.24	50.50	48.94
NEW YORK, TOTAL									
PUBLIC	27.97	19.75	19.41	.83	47.90	20.72	23.78	19.27	47.13
PRIVATE	72.03	80.25	80.59	99.17	52.10	79.28	76.22	80.73	52.87
NEW JERSEY, TOTAL									
PUBLIC	58.64	43.87	37.96	16.56	42.10	61.66	37.92	82.74	74.77
PRIVATE	41.36	56.13	62.04	83.44	57.90	38.34	62.08	17.26	25.23
PENNSYLVANIA, TOTAL									
PUBLIC	46.37	45.88	43.92	51.10	49.91	39.08	47.99	78.40	47.19
PRIVATE	53.63	54.12	56.08	48.90	50.09	60.92	52.01	21.60	52.81
EAST NORTH CENTRAL, TOTAL									
PUBLIC	71.93	72.91	71.37	70.91	67.97	69.59	77.55	91.65	78.28
PRIVATE	28.07	27.09	28.63	29.09	32.03	30.41	22.45	8.35	21.80
OHIO, TOTAL									
PUBLIC	62.64	63.38	60.38	96.42	50.28	59.88	63.18	93.40	61.62
PRIVATE	37.36	36.62	39.62	3.58	49.80	40.92	36.90	6.60	38.38
INDIANA, TOTAL									
PUBLIC	83.10	88.01	88.04	72.81	84.45	92.05	88.80	89.68	73.41
PRIVATE	16.90	11.99	11.96	27.19	15.55	7.95	11.20	10.32	26.59
ILLINOIS, TOTAL									
PUBLIC	47.95	43.34	40.75	70.76	67.86	35.83	42.12	84.44	57.21
PRIVATE	52.05	56.66	59.25	49.24	32.94	64.17	57.88	15.56	42.79
MICHIGAN, TOTAL									
PUBLIC	93.63	98.67	99.50	100.00	53.34	99.22	98.17	96.14	85.38
PRIVATE	6.37	1.33	.50	.00	46.66	.78	1.83	3.86	14.70
WISCONSIN, TOTAL									
PUBLIC	88.19	91.06	90.65	86.78	89.37	91.45	74.46	97.59	81.94
PRIVATE	11.81	8.94	9.35	13.22	10.63	8.55	25.54	2.41	18.06
WEST NORTH CENTRAL, TOTAL									
PUBLIC	74.68	78.23	76.38	97.46	53.52	72.72	88.59	96.78	78.06
PRIVATE	25.32	21.77	23.78	2.54	46.48	27.28	19.41	3.38	21.94
MINNESOTA, TOTAL									
PUBLIC	91.81	97.77	99.68	100.00	37.86	96.89	94.07	91.57	80.21
PRIVATE	8.19	2.23	.32	.00	62.94	3.11	5.93	8.43	19.79
IOWA, TOTAL									
PUBLIC	81.14	97.38	99.71	.88	26.99	95.53	98.35	96.46	61.28
PRIVATE	18.86	2.70	.29	.00	73.01	4.47	9.65	3.54	38.72
MISSOURI, TOTAL									
PUBLIC	43.40	35.69	28.17	90.48	64.74	26.21	48.85	98.48	54.77
PRIVATE	56.60	64.31	71.83	9.52	35.26	73.79	51.15	1.52	45.23
NORTH DAKOTA, TOTAL									
PUBLIC	89.43	94.35	92.56	.88	79.71	90.48	100.00	100.00	85.95
PRIVATE	10.57	5.65	7.44	.00	20.29	9.52	.00	.00	14.05

DIVISION, STATE, AND TYPE OF CONTROL	TOTAL, ALL ACTIVITIES	TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR. IN SCI. & ENG.	FELLOWSHIPS, TRAINEESHIPS, TRAIN. GRANTS	GENERAL SUPPORT FOR SCIENCE	OTHER SCIENCE	NON SCIENCE
WEST NORTH CENTRAL									
SOUTH DAKOTA, TOTAL									
PUBLIC	86.18	94.40	97.48	.00	22.61	85.47	72.92	97.60	81.55
PRIVATE	13.82	5.60	2.52	.00	77.39	14.53	27.08	2.40	18.45
NEBRASKA, TOTAL									
PUBLIC	79.46	92.12	92.21	100.00	71.26	91.35	80.30	95.52	69.32
PRIVATE	23.52	7.88	7.79	.00	28.74	8.65	19.70	4.48	38.68
KANSAS, TOTAL									
PUBLIC	92.29	99.20	99.85	100.00	83.65	98.10	99.58	100.00	83.92
PRIVATE	7.71	.72	.15	.00	16.35	1.90	.42	.00	16.08
SOUTH ATLANTIC, TOTAL									
PUBLIC	52.97	55.84	52.45	12.51	52.95	49.96	33.18	93.77	49.64
PRIVATE	47.03	44.16	47.55	87.49	47.05	50.04	46.90	6.23	49.36
DELAWARE, TOTAL									
PUBLIC	94.38	99.08	100.00	100.00	54.55	98.58	100.00	100.00	85.74
PRIVATE	5.62	.92	.00	.00	45.45	1.42	.00	.00	14.26
MARYLAND, TOTAL									
PUBLIC	41.51	34.45	33.44	25.93	67.09	24.13	42.60	82.29	61.00
PRIVATE	58.49	65.55	66.56	74.07	32.91	75.87	57.40	17.71	39.00
DIST. OF COLUMBIA, TOTAL									
PUBLIC	4.77	3.48	1.06	.00	43.38	1.51	7.05	37.74	5.29
PRIVATE	95.23	96.52	98.94	100.00	56.70	98.49	92.95	62.26	94.71
VIRGINIA, TOTAL									
PUBLIC	86.60	97.14	99.31	100.00	35.88	98.16	90.56	97.02	73.46
PRIVATE	13.40	2.86	.39	.00	64.12	1.84	9.44	2.98	26.54
WEST VIRGINIA, TOTAL									
PUBLIC	84.91	93.58	97.68	100.00	24.49	99.01	93.89	98.33	79.47
PRIVATE	15.09	6.50	2.32	.00	75.51	.99	6.11	1.61	20.53
NORTH CAROLINA, TOTAL									
PUBLIC	57.82	55.69	57.65	1.46	38.86	52.20	39.63	98.16	61.59
PRIVATE	42.18	44.31	42.35	98.54	61.94	47.80	60.37	1.84	38.41
SOUTH CAROLINA, TOTAL									
PUBLIC	75.21	94.60	36.91	65.31	44.74	92.74	97.49	100.00	64.65
PRIVATE	24.79	5.40	3.19	34.69	55.26	7.26	2.51	.00	35.35
GEORGIA, TOTAL									
PUBLIC	60.43	65.72	66.32	100.00	86.28	45.06	28.87	94.58	93.78
PRIVATE	39.57	34.28	33.68	.00	13.72	54.94	71.13	5.50	46.22
FLORIDA, TOTAL									
PUBLIC	66.15	62.89	53.85	76.47	95.48	75.88	77.08	97.22	70.17
PRIVATE	33.85	37.11	46.15	23.53	4.60	24.12	22.92	2.78	29.83
EAST SOUTH CENTRAL, TOTAL									
PUBLIC	68.92	76.60	77.36	96.40	73.55	65.42	33.13	96.76	62.45
PRIVATE	31.08	23.40	22.94	3.60	26.45	34.58	66.87	3.24	37.55
KENTUCKY, TOTAL									
PUBLIC	84.83	97.84	100.00	100.00	57.40	93.90	97.67	99.89	75.00
PRIVATE	15.17	2.16	.00	.00	42.60	6.10	2.33	.11	25.00
TENNESSEE, TOTAL									
PUBLIC	45.43	50.02	46.03	68.32	81.37	38.34	20.75	92.39	41.07
PRIVATE	54.57	49.98	53.37	39.68	18.63	61.66	79.25	7.61	58.93
ALABAMA, TOTAL									
PUBLIC	78.74	98.52	94.39	100.00	95.01	98.66	35.50	95.11	68.63
PRIVATE	21.26	9.48	5.61	.00	4.99	9.34	64.50	4.89	31.37
MISSISSIPPI, TOTAL									
PUBLIC	84.19	91.48	99.86	100.00	43.70	96.41	27.57	100.00	79.82
PRIVATE	15.81	8.52	.14	.00	56.30	3.59	72.43	.00	20.98
WEST SOUTH CENTRAL, TOTAL									
PUBLIC	72.62	78.31	74.66	96.87	84.40	71.27	69.55	98.22	72.31
PRIVATE	24.38	21.69	25.34	3.13	15.68	28.73	30.45	1.78	27.69
ARKANSAS, TOTAL									
PUBLIC	86.20	99.66	99.47	.00	99.58	100.00	97.18	100.00	74.08
PRIVATE	13.80	.34	.53	.00	.42	.00	2.82	.00	25.92
LOUISIANA, TOTAL									
PUBLIC	64.66	68.12	54.32	.00	89.92	42.03	64.74	97.82	69.36
PRIVATE	35.34	39.88	45.68	.00	10.08	57.97	35.26	2.98	30.64
OKLAHOMA, TOTAL									
PUBLIC	92.53	97.09	97.49	100.00	63.96	93.28	97.25	100.00	88.96
PRIVATE	7.47	2.91	2.51	.00	36.04	6.72	2.75	.00	11.04
TEXAS, TOTAL									
PUBLIC	73.99	77.78	74.54	96.85	83.36	75.86	65.77	97.17	68.38
PRIVATE	26.01	22.22	25.46	3.15	16.64	24.14	34.23	2.83	31.70

CONTINUED

TABLE B-25 PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES, BY GEOGRAPHIC DIVISION, STATE, TYPE OF CONTROL, AND TYPE OF ACTIVITY FY 1972

GEOGRAPHIC DIVISION, STATE, AND TYPE OF CONTROL	TOTAL, ALL ACTIVITIES	ACADEMIC SCIENCE							NON SCIENCE
		TOTAL ACADEMIC SCIENCE	RESEARCH AND DEVELOPMENT	R&D PLANT	FACIL. FOR INSTR. IN SCI. & ENG.	FELLOWSHIPS, TRAIN. GRANTS	GENERAL SUPPORT FOR SCIENCE	OTHER SCIENCE	
MONTANA, TOTAL	93.66	94.20	94.01	100.00	89.00	93.07	92.62	96.05	92.81
PUBLIC	0.34	5.00	5.99	.00	11.03	6.93	7.30	3.95	7.19
PRIVATE									
MONTANA, TOTAL	88.75	99.80	100.00	.00	90.63	100.00	100.00	100.00	79.45
PUBLIC	11.25	.20	.00	.00	9.38	.00	.00	.00	20.55
PRIVATE									
IDaho, TOTAL	94.14	99.11	99.55	.00	90.91	98.04	100.00	99.15	98.19
PUBLIC	5.86	.89	.45	.00	9.09	1.96	.00	.85	9.81
PRIVATE									
WYOMING, TOTAL	99.01	100.00	100.00	100.00	100.00	100.00	100.00	100.00	94.99
PUBLIC	.99	.00	.00	.00	.00	.00	.00	.00	1.01
PRIVATE									
COLORADO, TOTAL	89.38	86.84	86.82	100.00	98.23	87.51	86.02	87.62	95.38
PUBLIC	10.62	13.16	13.38	.00	9.77	12.49	13.98	12.38	4.62
PRIVATE									
NEW MEXICO, TOTAL	93.51	98.81	99.04	100.00	82.34	91.29	98.19	100.00	88.65
PUBLIC	6.49	1.19	.36	.00	37.66	8.71	1.81	.00	13.35
PRIVATE									
ARIZONA, TOTAL	97.47	99.83	99.98	100.00	100.00	100.00	94.08	103.00	95.06
PUBLIC	2.53	.17	.02	.00	.00	.00	5.92	.00	4.94
PRIVATE									
UTAH, TOTAL	96.69	96.12	96.45	100.00	83.82	94.51	92.71	96.12	97.84
PUBLIC	3.31	3.88	3.55	.00	16.18	5.49	7.29	3.88	2.16
PRIVATE									
NEVADA, TOTAL	99.67	100.00	100.00	.00	100.00	100.00	100.00	100.00	99.15
PUBLIC	.33	.00	.00	.00	.00	.00	.00	.00	.85
PRIVATE									
PACIFIC, TOTAL	77.41	76.53	75.78	86.95	69.20	75.57	81.82	89.14	79.72
PUBLIC	22.59	23.47	24.22	13.05	30.80	24.43	18.18	10.86	20.28
PRIVATE									
WASHINGTON, TOTAL	96.08	99.27	99.86	100.00	98.19	98.09	94.07	95.68	88.15
PUBLIC	3.92	.73	.14	.00	9.81	1.91	5.93	4.40	11.85
PRIVATE									
OREGON, TOTAL	92.89	96.59	96.85	100.00	89.96	96.75	94.42	94.80	86.46
PUBLIC	7.11	3.41	3.15	.00	10.04	3.25	5.58	5.20	13.54
PRIVATE									
CALIFORNIA, TOTAL	76.45	68.33	67.37	85.39	60.18	66.94	75.19	84.81	76.31
PUBLIC	29.55	31.67	32.63	14.61	39.82	33.06	24.81	15.19	23.69
PRIVATE									
ALASKA, TOTAL	95.01	99.83	100.00	100.00	78.95	100.00	100.00	100.00	97.20
PUBLIC	4.97	.17	.00	.00	21.05	.00	.00	.00	42.80
PRIVATE									
HAWAII, TOTAL	97.89	100.00	100.00	100.00	100.00	100.00	100.00	100.00	92.54
PUBLIC	2.11	.00	.00	.00	.00	.00	.00	.00	7.46
PRIVATE									
OUTLYING AREAS, TOTAL	84.69	97.88	99.81	100.00	91.72	94.34	89.47	99.92	73.39
PUBLIC	15.31	2.28	.19	.00	8.28	5.66	10.53	.08	26.61
PRIVATE									
GUAM, TOTAL	100.00	100.00	100.00	.00	100.00	.00	100.00	.00	100.00
PUBLIC									
PUERTO RICO, TOTAL	84.69	97.76	99.41	100.00	91.42	94.27	86.68	99.92	71.79
PUBLIC	15.31	2.24	.19	.00	8.58	5.73	11.32	.08	28.21
PRIVATE									
VIRGIN ISLANDS, TOTAL	100.00	100.00	100.00	.00	100.00	100.00	100.00	100.00	100.00
PUBLIC									

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-26 TOTAL FEDERAL OBLIGATIONS TO THE 100 PUBLIC UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1972 (DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY TOTAL FEDERAL OBLIGATIONS)	TOTAL	USDA	AEC	COM	ODD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
	TOTAL ALL INSTITUTIONS	2,487,362	229,744	49,755	19,531	112,825	15,828	16,921	1,671,650	21,659	62,767	258,420	10,357	17,905
	TOTAL 100 INSTITUTIONS	1,831,205	207,154	45,130	17,011	104,708	10,836	14,250	1,111,047	17,485	56,100	224,909	9,040	13,535
1	UNIV OF WASHINGTON	73,246	214	2,505	2,071	5,412	0	596	50,327	147	980	10,845	176	11
2	UNIV OF MICHIGAN	66,810	141	2,288	1,136	8,111	590	617	37,248	23	5,414	8,772	1,025	1,425
3	UNIV OF MINNESOTA	64,246	5,478	1,440	0	2,056	398	717	42,844	547	2,590	4,541	115	3,500
4	UNIV OF CAL LOS ANGELES	63,893	0	4,772	0	4,117	312	143	45,329	320	1,573	6,383	772	172
5	UNIV OF WIS-MADISON	62,512	5,471	2,731	1,780	2,474	2,815	631	35,059	354	2,410	9,807	0	30
6	UNIV OF CAL SAN DIEGO	57,693	0	1,639	224	10,949	403	128	17,615	0	4,688	21,952	55	0
7	UNIV OF CAL BERKELEY	57,305	6,578	632	107	5,785	1,606	403	23,584	650	4,111	13,309	368	172
8	OHIO STATE UNIV	47,875	7,497	480	43	3,232	0	321	30,544	213	508	3,477	283	1,273
9	UNIV OF ILLINOIS-URBANA	42,433	6,910	3,558	55	6,472	48	733	11,827	339	1,053	11,086	238	144
10	UNIV OF CAL SAN FRANCISCO	36,472	0	861	0	301	0	0	34,916	0	186	208	0	0
11	UNIV OF COLORADO	35,587	10	427	878	953	0	117	24,867	245	2,681	4,979	50	0
12	UNIV OF M C AT CHAP HILL	34,005	0	189	720	763	352	347	27,435	0	15	3,970	0	14
13	UNIV OF UTAH	32,342	2	1,445	158	2,040	0	219	24,079	417	1,032	2,719	118	110
14	UNIV OF PITTSBURGH	29,701	0	166	0	1,167	0	78	23,453	149	639	1,801	0	48
15	PENNSYLVANIA STATE UNIV	28,831	8,090	246	62	1,183	0	459	13,359	756	747	3,669	159	101
16	MICHIGAN STATE UNIV	28,349	6,393	1,598	0	154	0	419	14,164	270	321	1,870	0	150
17	PURDUE UNIV	27,895	5,654	1,145	117	2,026	60	160	8,542	148	1,434	7,373	210	812
18	UNIV OF FLORIDA	27,552	4,295	496	57	2,181	405	653	16,206	181	435	2,447	4	194
19	U OF ALA IN BIRMINGHAM	26,877	0	0	0	210	0	7	25,507	0	0	353	0	0
20	UNIV OF IOWA	24,864	11	52	16	641	0	0	20,417	141	1,789	1,441	111	265
21	UNIV OF ARIZONA	23,811	2,224	293	6	2,294	297	199	13,131	335	1,787	2,360	0	86
22	UNIV OF TEXAS AT AUSTIN	22,761	0	1,087	27	5,358	212	189	9,995	32	1,239	4,673	154	195
23	UNIV OF HAWAII	22,451	1,376	614	1,290	1,641	0	0	11,155	164	2,198	3,750	0	235
24	UNIV OF CAL DAVIS	22,389	1,016	1,936	0	323	0	109	15,312	114	191	1,356	0	32
25	TEXAS A & M UNIV	21,301	11,501	681	1,640	1,430	0	259	2,056	211	764	2,403	356	0
26	UNIV OF KANSAS	21,113	0	166	0	154	0	0	17,997	0	794	1,982	0	0
27	UNIV OF KENTUCKY	21,086	7,636	37	0	172	0	17	11,751	242	521	610	100	0
28	UNIV OF MISSOURI COLUMBIA	20,632	6,253	72	6	502	114	138	11,740	181	193	1,347	0	96
29	RUTGERS UNIVERSITY	20,072	2,824	58	49	367	0	285	14,180	172	0	2,073	32	2
30	TEMPLE UNIV	19,829	0	62	0	204	0	7	14,663	0	33	788	0	72
31	UNIV OF NEW MEXICO	18,597	10	67	0	1,167	21	0	15,203	0	537	740	224	628
32	UNIV OF MD COLLEGE PARK	17,764	2,815	1,992	85	1,111	237	35	4,395	150	2,276	4,668	0	0
33	INDIANA UNIV-BLOOMINGTON	17,573	0	177	0	351	29	136	11,135	83	484	5,058	0	116
34	UNIV OF GEORGIA	17,261	7,217	537	0	288	0	86	6,858	19	16	2,223	0	17
35	COLORADO STATE UNIV	16,951	2,818	223	135	561	0	208	5,046	837	653	5,387	0	1,083
36	OREGON STATE UNIV	16,679	2,959	467	1,759	1,070	0	648	5,267	256	271	1,963	0	219
37	SUNY ST U BUFFALO	16,644	0	117	0	78	0	0	15,000	0	185	1,464	0	0
38	UNIV OF TENN AT KNOXVILLE	16,817	6,925	1,520	0	465	65	29	6,416	378	256	753	0	18
39	M C STATE UNIV AT RALEIGH	16,439	9,885	336	0	360	0	259	3,425	230	273	1,165	234	272
40	UNIV OF VIRGINIA	16,174	0	787	33	722	0	38	12,258	61	478	1,885	0	0
41	UNIV OF CINCINNATI	15,211	0	55	0	772	0	503	13,843	0	193	645	0	0
42	U TEX MD ANDRSON HOSP/UTM	14,636	0	61	0	66	0	0	14,308	0	76	125	0	0
43	MAYNE STATE UNIV	14,461	0	143	0	544	0	0	12,584	0	15	1,135	40	0
44	UNIV OF CONNECTICUT	14,323	1,521	83	85	357	0	68	10,545	157	247	1,220	0	0
45	INDIANA UNIV-INDIANAPOLIS	13,730	0	0	0	0	0	0	12,231	0	0	192	1,387	0
46	UNIV OF OKLAHOMA	13,371	0	42	106	440	0	197	10,914	119	76	1,387	90	0
47	UNIV OF ILLINOIS-MED CTR	13,111	0	0	0	0	0	0	13,093	0	0	18	0	0
48	UNIV OF MERRASKA-LINCOLN	12,966	3,701	48	20	78	0	0	7,995	186	199	739	0	0
49	FLORIDA STATE UNIV	12,614	0	983	471	559	0	7	6,127	139	124	3,550	147	507
50	IOWA ST U OF SCIENCE&TECH	12,275	5,675	155	6	124	0	95	3,818	295	60	1,865	192	0
51	CUNY MT SINAI SCH OF MED	12,274	0	32	0	149	0	0	11,899	0	17	177	0	0
52	UNIV-MASS AMHERST CAMPUS	12,253	2,639	228	0	668	0	248	5,505	220	284	2,461	0	0
53	OKLAHOMA STATE UNIV	12,158	4,580	15	0	1,252	0	178	4,446	149	779	812	27	0
54	UNIV OF MD, BALTIMORE	12,075	0	0	0	166	0	0	11,057	0	48	4	0	0
55	NEW MEXICO STATE UNIV	11,681	2,148	5	0	3,745	0	0	3,461	423	1,595	304	0	0
56	WEST VIRGINIA UNIV	11,675	3,670	0	36	74	0	294	6,219	611	57	269	170	75
57	U TEX SW MED SCH DALLAS	11,554	0	7	0	191	0	0	11,237	0	77	42	0	0
58	UNIV OF OREGON - EUGENE	11,453	0	222	0	269	249	0	8,478	0	164	1,992	0	79
59	LA ST UNIV BATON ROUGE	11,392	5,668	112	721	777	0	243	2,248	100	366	1,157	0	0
60	AUBURN UNIV	11,199	6,722	1	9	584	0	26	2,814	259	568	206	0	0
61	VIRGINIA POLYTECHNIC INST	11,184	6,123	61	73	429	0	75	1,827	411	549	1,193	443	0
62	UNIV OF MISSISSIPPI	11,057	164	20	70	166	0	0	9,784	0	15	834	0	0
63	UNIV OF ARK FAYETTEVILLE	10,671	5,325	88	101	0	0	16	4,185	162	4	767	0	0
64	UTAH STATE UNIV	10,401	1,755	52	77	2,201	0	178	2,355	879	40	2,022	200	692
65	MISSISSIPPI STATE UNIV	10,363	6,967	0	5	42	0	518	2,286	122	132	291	0	0
66	UNIV OF ALASKA	10,360	1,050	247	527	3,097	0	116	1,606	232	670	2,805	0	0
67	UNIV OF VERMONT	10,238	1,410	21	0	376	0	45	7,841	100	15	284	146	0
68	U OF TENN MED UNITS MEMPH	10,168	0	71	0	97	0	0	9,954	0	0	46	0	0
69	VA COMMONWEALTH UNIV	10,088	0	49	0	23	0	0	9,735	0	133	148	0	0

RANK	UNIVERSITY	TOTAL	OSUR	REC	CON	DOB	DEG	CPA	REC	INT	WASH	SEC	ST	CH
70	KANSAS STATE UNIV	9,240	3,819	476	0	256	0	72	3,354	222	23	818	4	186
71	UNIV OF SOUTH FLORIDA	9,220	0	21	0	86	0	5	8,714	0	0	394	0	0
72	U OREGON MEDICAL SCHOOL	9,152	0	82	0	20	0	0	9,050	0	0	0	0	0
73	UNIV OF P R RIO PIEDRAS	9,126	5,597	0	0	0	0	0	3,520	0	0	9	0	0
74	WASHINGTON STATE UNIV	9,035	3,319	224	0	70	274	177	3,621	263	0	1,087	0	0
75	SUNY ST U ALBANY	8,935	26	64	0	318	1,936	71	5,545	0	0	963	0	12
76	UNIV OF P R SAN JUAN	8,767	0	0	0	0	0	0	8,767	0	0	0	0	0
77	COL OF MED & DENT OF N J	8,692	0	0	0	0	0	0	8,665	0	0	27	0	0
78	MED UNIV OF S CAROLINA	8,258	0	0	0	149	0	249	7,829	0	0	31	0	0
79	U TEX MED BRNCH GALVESTON	8,234	0	0	0	0	0	0	8,089	0	190	35	0	0
80	UNIV OF SOUTH CAROLINA	8,189	0	55	3	106	0	51	6,748	0	65	1,022	59	0
81	UNIV OF CAL IRVINE	7,961	0	749	38	375	0	36	5,323	41	26	1,381	0	0
82	UNIV OF HOUSTON	7,765	0	172	0	136	334	17	4,527	36	1,164	1,129	240	10
83	UNIV OF RHODE ISLAND	7,756	1,070	15	1,236	1,153	0	195	1,988	195	0	1,931	13	0
84	SUNY DOWNSTATE MED CTR	7,717	0	0	0	151	0	69	7,483	0	1	93	0	0
85	GEORGIA INST OF TECH	7,666	0	318	146	2,612	0	176	1,527	274	626	1,867	868	0
86	SUNY ST U STONY BROOK	7,235	0	619	0	97	0	0	2,989	0	593	3,817	0	0
87	UNIV OF NORTH DAKOTA	6,972	35	4	0	100	0	11	4,991	1,600	0	231	0	0
88	UNIV OF SOUTH DAKOTA	6,894	0	32	0	0	0	2	6,355	0	0	490	15	0
89	UNIV OF WYOMING	6,424	1,273	84	0	564	0	110	2,397	912	101	983	0	0
90	UNIV OF LOUISVILLE	6,419	0	0	0	123	0	0	5,962	0	19	715	0	0
91	CITY COLLEGES OF CHICAGO	6,394	0	0	0	0	0	0	6,391	0	0	3	0	0
92	CLEMSON UNIV	6,388	5,312	0	5	254	0	51	256	187	36	283	4	0
93	MONTANA STATE UNIV	6,193	2,292	33	0	72	0	101	2,555	381	82	677	0	0
94	U OF ALA IN TUSCALOOSA	5,964	0	27	0	57	0	57	5,330	67	120	386	0	0
95	SOUTHERN UNIV	5,931	228	65	0	33	0	0	4,442	0	55	493	115	50
96	UNIV OF N H DURHAM	5,914	1,312	0	524	116	0	5	2,610	100	572	673	0	0
97	UNIV OF CAL RIVERSIDE	5,873	491	382	0	143	79	436	2,744	18	74	1,586	0	0
98	UNIV OF CAL SANTA BARRARA	5,747	0	225	366	593	0	44	3,025	0	78	1,419	5	0
99	UNIV OF ARK MEDICAL CTR	5,740	0	0	0	0	0	0	5,205	0	0	135	0	0
100	UNIV OF DELAWARE	5,332	1,122	13	0	245	0	58	1,739	100	12	2,043	0	0

*INCLUDES AID, HUD, LABOR
SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-27 TOTAL FEDERAL OBLIGATIONS TO THE 100 PRIVATE UNIVERSITIES AND COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1972 (DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY TOTAL FEDERAL OBLIGATIONS)		TOTAL	USDA	AEC	COM	DOO	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
	TOTAL	ALL INSTITUTIONS	1,643,199	8,811	45,512	6,490	131,059	14,177	6,363	156,291	2,736	56,233	208,258	5,517	9,752
	TOTAL 100 INSTITUTIONS		1,366,293	8,754	45,214	6,168	126,980	13,190	5,870	901,568	2,441	54,395	185,464	5,137	9,112
1	MASS INST OF TECH		112,472	18	7,254	1,117	46,797	0	660	14,916	275	20,088	18,557	1,413	1,385
2	HARVARD UNIV		65,072	25	1,834	95	2,474	582	493	45,075	0	4,487	9,181	165	661
3	STANFORD UNIV		62,224	0	619	6	8,560	0	242	34,875	173	3,579	14,838	115	17
4	COLUMBIA UNIV		60,654	18	3,545	485	5,020	127	40	34,666	81	2,797	13,313	70	580
5	JOHNS HOPKINS UNIV		54,681	0	1,022	254	1,731	1,146	84	41,680	0	2,803	3,211	0	2,750
6	HOWARD UNIV		51,059	6	86	0	55	4,211	80	46,158	22	204	190	0	57
7	CORNELL UNIV		45,868	7,714	1,416	24	2,047	0	645	18,924	295	972	12,671	0	1,160
8	UNIV OF PENNSYLVANIA		44,875	55	1,564	47	1,979	292	47	33,572	197	132	6,688	178	124
9	YALE UNIV		44,504	0	2,888	0	2,602	0	12	33,222	71	270	5,246	0	193
10	NEW YORK UNIV		44,053	0	2,098	70	2,022	200	276	33,817	78	637	4,625	122	156
11	UNIV OF CHICAGO		42,369	0	4,196	158	964	0	84	25,103	0	2,805	8,852	0	177
12	DUKE UNIV		35,266	0	889	15	1,927	0	102	29,265	7	145	2,989	0	7
13	WASHINGTON UNIV		33,548	0	265	10	1,168	0	20	29,193	0	817	2,115	0	0
14	UNIV OF SOUTHERN CAL		31,698	0	164	651	3,228	0	480	23,106	0	822	2,677	400	170
15	YESHIVA UNIV		29,950	0	65	0	655	402	0	27,613	24	8	1,190	0	0
16	UNIV OF MIAMI		27,830	0	316	1,569	2,896	574	166	17,706	0	260	4,102	236	0
17	UNIV OF ROCHESTER		27,531	0	4,783	0	1,544	0	5	17,588	0	127	3,104	205	175
18	CASE WESTERN RESERVE UNIV		25,378	0	656	0	1,422	0	39	19,241	114	671	3,080	0	147
19	NORTHWESTERN UNIV		21,829	0	105	0	798	357	393	15,417	0	217	4,203	336	3
20	VANDERBILT UNIV		20,872	0	139	0	151	0	142	17,724	0	180	2,616	0	0
21	BOSTON UNIV		20,478	0	0	0	413	0	0	19,594	0	97	353	28	1
22	CAL INST OF TECH		19,908	0	2,189	3	2,899	0	87	6,824	145	3,498	5,863	0	0
23	WOODS HOLE OCEAN INST		19,527	0	455	489	7,585	0	146	131	0	127	10,594	0	0
24	PRINCETON UNIV		18,438	0	2,025	851	2,312	0	198	4,516	0	2,975	5,023	526	12
25	BAYLOR COL OF MEDICINE		17,155	0	0	0	107	0	100	16,518	0	368	62	0	0
26	GEORGETOWN UNIV		15,715	45	39	0	462	0	100	14,418	2	30	605	0	2
27	GEORGE WASHINGTON UNIV		15,385	0	21	0	1,599	0	187	11,552	0	956	824	0	246
28	TULANE UNIV		14,791	0	20	0	233	51	24	13,467	0	154	802	35	5
29	EMORY UNIV		14,139	0	76	0	92	0	5	13,122	0	182	662	0	0
30	MC HARRY MEDICAL COL		13,368	0	0	0	0	0	0	13,368	0	0	0	0	0
31	TUFTS UNIV		12,985	0	315	0	318	157	0	11,599	0	27	497	0	0
32	GALLAUDET COL		12,744	0	0	0	0	0	0	12,657	0	0	87	0	0
33	ST LOUIS UNIV		10,928	0	0	10	384	197	0	9,710	0	10	437	0	172
34	ROCKEFELLER UNIV		10,769	0	71	0	189	0	0	9,394	0	0	1,115	0	0
35	BROWN UNIV		10,332	0	592	100	879	0	0	4,440	68	204	4,057	0	0
36	CARNEGIE MELLON UNIV		10,331	0	1,505	0	2,897	0	6	1,964	0	139	3,681	135	4
37	THOS JEFFERSON UNIV HOSP		9,784	0	56	0	12	0	0	9,617	0	0	19	0	0
38	TUSKEGEE INST		9,597	759	42	0	0	1,638	0	5,679	100	48	811	20	580
39	NEW YORK MEDICAL COL		8,886	0	0	0	138	0	0	8,324	0	0	424	0	0
40	SYRACUSE UNIV		8,581	122	144	0	1,275	0	4	4,622	35	58	2,149	172	0
41	HANNEMANN MED COL & HOSP		8,338	0	0	0	386	0	0	7,371	0	0	53	0	0
42	DARTMOUTH COL		8,169	0	59	0	82	0	45	6,868	0	149	983	0	0
43	ALBANY MEDICAL COL		8,064	0	0	0	0	1,446	0	6,538	0	50	30	0	0
44	ILLINOIS INST OF TECH		6,990	0	167	0	142	0	29	4,714	0	88	1,737	141	0
45	UNIV OF DENVER		6,768	0	0	38	2,643	0	0	2,084	350	557	1,065	103	0
46	WAKE FOREST UNIV		6,655	0	26	0	40	0	0	6,507	0	0	82	0	0
47	BOSTON COL		6,450	0	42	13	1,150	0	0	4,887	0	0	354	0	4
48	NORTHEASTERN UNIV		6,392	0	0	0	950	472	0	4,265	0	129	477	50	49
49	UNIV OF DAYTON		6,066	0	0	0	4,828	0	31	949	0	64	194	0	0
50	RICE UNIV		5,991	0	734	0	441	0	0	1,736	0	994	1,931	0	155
51	RENSSELAER POLYTECH INST		5,932	0	1,014	35	674	0	68	2,283	0	514	1,389	35	0
52	UNIV OF NOTRE DAME		5,928	0	1,240	19	364	0	123	1,895	95	10	2,182	0	0
53	LOYOLA UNIV		5,824	0	40	0	43	0	0	5,674	0	0	87	0	0
54	BRANDEIS UNIV		5,553	0	288	0	117	0	0	4,865	0	0	1,888	0	75
55	MEDICAL COLLEGE OF WISC		5,483	0	0	0	188	0	0	5,261	0	0	116	0	0
56	LONA LINDA UNIV		5,056	0	0	0	0	0	0	4,995	0	0	61	0	0
57	CATHOLIC UNIV OF AMERICA		4,925	0	16	0	870	0	14	3,268	62	158	479	44	14
58	ANTIOCH COL		4,263	0	0	0	0	1,828	0	3,088	0	0	155	0	0
59	POLYTECHNIC INST OF BKLYN		4,086	0	35	0	1,672	0	23	821	0	55	1,273	127	0
60	CREIGHTON UNIV		3,724	0	0	0	0	0	0	3,617	0	0	187	0	0
61	UNIV OF THE PACIFIC		3,631	0	0	0	0	313	0	3,194	0	0	124	0	0
62	TEACHERS COL		3,510	0	0	0	0	0	0	3,357	0	0	153	0	0
63	MEDICAL COLLEGE OF PA		3,502	0	0	0	0	0	0	3,456	0	0	46	0	0
64	LEHIGH UNIV		3,255	0	36	182	445	0	0	347	128	239	1,878	0	0
65	BAYLOR UNIV		3,239	0	33	0	187	0	0	2,979	0	0	128	0	0
66	WILMERFORCE UNIV		3,215	0	0	0	0	0	0	3,215	0	0	0	0	0
67	XAVIER U OF LOUISIANA		3,201	0	0	0	0	0	0	2,774	0	5	422	0	0
68	DREXEL UNIVERSITY		3,123	0	0	0	434	0	0	1,380	0	176	618	0	0
69	MARQUETTE UNIV		2,864	0	37	0	82	0	0	2,389	0	3	298	35	0

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TABLE B-27

TOTAL FEDERAL OBLIGATIONS TO THE 100 PRIVATE UNIVERSITIES AND
COLLEGES RECEIVING THE LARGEST AMOUNTS, BY AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

RANK	INSTITUTION (RANKED BY TOTAL FEDERAL OBLIGATIONS)	TOTAL	USDA	AEC	COM	DOD	DOE	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
70	AMERICAN UNIVERSITY	2,786	0	1	0	1,111	0	8	951	0	25	355	100	22
71	BISHOP COL	2,542	0	0	0	27	0	0	2,408	0	0	107	0	0
72	LONG ISLAND UNIVERSITY	2,489	0	18	0	0	0	0	2,267	3	87	55	25	14
73	ST PETERS COL	2,410	0	0	0	873	0	0	1,528	0	0	9	0	0
74	CENTRAL YMCA COMM COL	2,390	0	0	0	0	0	0	2,390	0	0	0	0	0
75	POROHAM UNIV	2,382	0	0	0	27	0	0	2,050	0	154	151	0	0
76	CLARK COL	2,245	0	0	0	0	0	0	2,164	0	0	77	0	0
77	RUST COL	2,227	0	0	0	0	0	0	1,556	0	0	671	0	0
78	SHAW UNIV	2,215	0	0	0	0	0	34	1,490	0	0	691	0	0
79	SOUTHERN METHODIST UNIV	2,212	0	0	15	808	0	27	691	85	75	636	0	75
80	ADELPHI UNIV	2,065	0	0	0	0	0	0	1,875	0	0	190	0	0
81	HAMPTON INST	2,048	0	0	0	0	0	0	1,933	0	26	89	0	0
82	GEORGE PEABODY COL YCHRS	2,043	0	0	0	0	0	0	1,988	0	0	135	0	0
83	LANE COL	2,037	0	0	0	0	0	0	1,796	0	0	241	0	0
84	LINCOLN UNIV	1,949	0	20	0	0	0	0	1,920	0	0	9	0	0
85	PAINE COL	1,905	0	0	0	0	0	0	1,672	0	0	283	0	0
86	UNIV OF EVANSVILLE	1,741	0	0	0	0	0	0	1,733	0	0	8	0	0
87	UNIV OF ALBUQUERQUE	1,733	0	0	0	10	0	0	1,715	0	0	8	0	0
88	ST AUGUSTINES COL	1,727	0	0	0	0	0	0	1,727	0	0	0	0	0
89	BENEDICT COL	1,723	0	0	0	0	0	0	1,723	0	0	0	0	0
90	HILES COL	1,706	0	0	0	0	0	0	1,706	0	0	0	0	0
91	INTER AMER UNIV OF P R	1,687	0	0	0	0	0	0	1,681	0	0	6	0	0
92	CHICAGO MEDICAL SCHOOL	1,674	0	0	0	16	0	0	1,591	0	0	67	0	0
93	MORRIS BROWN COL	1,667	0	0	0	0	0	0	1,580	0	0	87	0	0
94	UNIV OF DETROIT	1,659	0	0	0	30	0	0	1,529	0	0	100	0	0
95	ATLANTA UNIV	1,650	0	0	0	0	0	0	1,386	0	0	149	115	0
96	WENTWORTH INST	1,598	0	0	0	1,437	0	0	160	0	0	21	0	0
97	WORCESTER POLYTECH INST	1,590	0	31	0	95	0	78	285	33	8	1,090	0	0
98	WESLEYAN UNIV	1,576	0	0	0	10	0	0	963	0	0	589	14	0
99	SPELMAN COL	1,575	0	0	0	0	0	0	1,296	0	0	279	0	0
100	MOREHOUSE COL	1,527	0	0	0	0	0	0	1,042	0	51	434	0	0

*INCLUDES AID, HUD, LABOR

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE B-28

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AFS	COM	DOE	OEI	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
UNITED STATES, TOTAL	4,130,961	238,555	95,267	25,821	243,984	38,885	23,244	2,427,961	24,395	119,888	458,678	15,874	27,657
ALABAMA, TOTAL	74,725	8,259	78	9	1,555	1,638	116	58,333	436	1,674	2,105	20	980
ALA CHRISTIAN COL	42	0	0	0	0	0	0	82	0	0	0	0	0
ALABAMA A & M UNIVERSITY	2,573	748	0	0	38	0	24	1,622	0	60	47	0	0
ALABAMA STATE UNIVERSITY	1,701	0	0	0	0	0	3	1,197	0	0	4	0	0
ALBERT R BREMER ST JR COL	54	0	0	0	0	0	0	58	0	0	0	0	0
ALEXANDER CITY ST JR COL	120	0	0	0	0	0	0	120	0	0	0	0	0
ATHENS COL	67	0	0	0	0	0	0	41	0	18	0	0	0
AUBURN UNIV	11,199	6,722	1	4	584	0	26	2,814	259	568	285	0	0
BIRMINGHAM-SOUTHERN COL	127	0	0	0	0	0	0	125	0	0	2	0	0
CALHOUN ST TECH JR COL	241	0	0	0	0	0	0	241	0	0	0	0	0
CULLMAN COLLEGE	34	0	0	0	0	0	0	34	0	0	0	0	0
DANIEL PAYNE COL	255	0	0	0	0	0	0	255	0	0	0	0	0
ENTERPRISE JR COL	241	0	0	0	0	0	0	241	0	0	0	0	0
FAULKNER STATE JUNIOR COL	137	0	0	0	0	0	0	137	0	0	0	0	0
FLORANCE STATE UNIVERSITY	500	0	0	0	0	0	0	498	0	0	2	0	0
G C WALLACE ST TFC JR COL	167	0	0	0	0	0	0	167	0	0	0	0	0
GAUSSEN STATE JR COLLEGE	424	0	0	0	0	0	0	426	0	0	2	0	0
HUNTINGDON COL	914	0	0	0	0	0	0	518	0	0	0	0	0
JACKSONVILLE ST UNIV	1,456	0	0	0	0	0	0	1,456	0	0	0	0	0
JEFFERSON DAVIS COL	42	0	0	0	0	0	0	82	0	0	0	0	0
JEFFERSON ST JR COL	1,449	0	0	0	0	0	0	1,441	0	0	4	0	0
JUDSON COL	29	0	0	0	0	0	0	29	0	0	0	0	0
LAWSON STATE JUNIOR COL	576	0	0	0	0	0	0	507	0	0	19	0	0
LIVINGSTON UNIVERSITY	516	0	0	0	0	0	0	524	0	0	4	0	0
LURLEEN A WALLACE ST JR C	97	0	0	0	0	0	0	92	0	0	0	0	0
MARTIN INST	4	0	0	0	0	0	0	4	0	0	0	0	0
MILES COL	1,706	0	0	0	0	0	0	1,706	0	0	0	0	0
MOBILE COL	114	0	0	0	0	0	0	110	0	0	4	0	0
MOBILE ST JR COL	346	0	0	0	0	0	0	346	0	0	0	0	0
NE ALABAMA STATE JR COLL	192	0	0	0	0	0	0	192	0	0	0	0	0
NORTHWEST ALA ST JR COL	141	0	0	0	0	0	0	351	0	0	0	0	0
OAKWOOD COL	266	0	0	0	0	0	0	257	0	0	0	0	0
PATRICK HENRY ST JR COL	52	0	0	0	0	0	0	52	0	0	0	0	0
SANFORD UNIV	486	0	0	0	0	0	0	486	0	0	0	0	0
SELMA UNIV	120	0	0	0	0	0	0	320	0	0	0	0	0
SHEAR STATE JUNIOR COL	123	0	0	0	0	0	0	123	0	0	0	0	0
SOUTHERN UNION ST JR COL	347	0	0	0	0	0	0	367	0	0	0	0	0
SPRING HILL COL	342	0	0	0	0	0	0	114	0	0	268	0	0
ST BERNARD COL	74	0	0	0	0	0	0	74	0	0	0	0	0
STILLMAN COL	1,034	0	0	0	0	0	0	799	0	14	9	0	0
TALLADEGA COL	422	0	0	0	0	0	0	619	0	0	4	0	0
TROY STATE UNIV	623	0	0	0	0	0	0	5,679	100	44	411	20	500
TUSKEGEE INST	9,597	759	47	0	0	1,618	7	25,507	0	0	151	0	0
U OF ALA IN BIRMINGHAM	26,077	0	0	0	210	0	7	244	0	430	21	0	0
U OF ALA IN HUNTSVILLE	1,753	0	0	0	654	0	0	5,338	67	120	306	0	0
U OF ALA IN TUSCALOOSA	5,964	0	27	0	57	0	57	227	0	4	0	0	0
UNIV OF MONTEVALLO	211	0	0	0	0	0	0	1,345	0	20	22	0	0
UNIV OF SOUTH ALA	1,191	0	0	0	0	0	0	33	0	0	0	0	0
WALKER COL	33	0	0	0	0	0	0						
ALASKA, TOTAL	10,932	1,050	247	527	1,097	0	116	2,148	232	670	2,405	0	0
ALASKA METHODIST UNIV	446	0	0	0	0	0	3	446	0	0	0	0	0
SHELDON JACKSON JR COL	96	0	0	0	0	0	3	96	0	0	0	0	0
UNIV OF ALASKA	19,160	1,050	247	527	1,097	0	116	1,606	232	670	2,405	0	0
ARIZONA, TOTAL	14,409	2,367	192	6	2,469	512	199	23,569	337	1,421	3,066	36	86
ARIZ WESTERN COL	452	0	0	0	0	0	0	452	0	0	0	0	0
ARIZONA STATE UNIV	4,563	14	44	0	171	0	0	3,646	0	39	400	0	0
CENTRAL ARIZONA COL	394	0	0	0	0	0	0	325	0	0	0	0	0
COCHISE COL	481	0	0	0	0	0	0	461	0	0	0	0	0
EASTERN ARIZ JR COL	252	0	0	0	0	0	0	252	0	0	0	0	0
GLENDALE COMM COL	141	0	0	0	0	0	0	141	0	0	0	0	0
GRAND CANYON COL	49	0	0	0	0	0	0	49	0	0	0	0	0
HARICOPA CITY J C OFN SYS	47	0	0	0	0	0	0	57	0	0	0	0	0
HARICOPA TECHNICAL COLL	242	0	0	0	0	0	0	242	0	0	0	0	0
MESA COMM COL	963	0	0	0	0	0	0	957	0	0	6	0	0
NAVAJO COMMUNITY COLLEGE	644	0	0	0	0	235	0	438	0	3	21	0	0
NORTHERN ARIZ UNIV	1,940	125	0	0	0	0	0	1,458	0	0	71	36	0
PHOENIX COL	794	0	0	0	0	0	0	994	0	0	0	0	0
PIMA COUNTY JR COLLEGE	594	0	0	0	3	0	0	504	0	0	0	0	0
PRESCOTT COL	92	0	0	0	0	0	0	83	7	0	7	0	0
THUNDERBOLT GRADUATE SCH	6	0	0	0	3	0	0	6	0	0	0	0	0
UNIV & ST COL APZ C SYS	73	0	0	0	3	0	3	73	0	0	0	0	0
UNIV OF ARIZONA	21,011	2,274	293	6	2,294	297	199	13,131	135	1,742	2,160	0	0
YAVAPAI COL	16	0	0	1	0	0	0	16	0	0	0	0	0

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CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	SFC	COM	OOB	DEO	EPA	HEW	INT	NASA	NSF	ODT	OTHER*
ARKANSAS, TOTAL	27,544	5,812	54	101	0	0	36	28,095	162	29	1,021	0	0
ARK BAPTIST COL	49	0	0	0	0	0	0	49	0	0	0	0	0
ARK COL	432	0	0	0	0	0	0	432	0	0	0	0	0
ARK POLYTECHNIC COL	602	0	0	0	0	0	0	602	0	0	0	0	0
ARK ST UNIV	804	0	0	0	0	0	0	799	0	0	9	0	0
COL OF THE OZARKS	298	0	0	0	0	0	0	298	0	0	0	0	0
CROWLEY'S RIDGE COL	121	0	0	0	0	0	0	123	0	0	0	0	0
HARDING COL	209	0	0	0	0	0	0	175	0	24	9	0	0
HENDERSON STATE COL	666	0	0	0	0	0	0	666	0	0	0	0	0
HENDRIX COL	114	0	0	0	0	0	0	118	0	0	0	0	0
JOHN BROWN UNIV	219	0	0	0	0	0	0	219	0	0	0	0	0
QUACHITA BAPTIST UNIV	960	0	0	0	0	0	0	960	0	0	0	0	0
PHILANDER SMITH COL	703	0	0	0	0	0	0	702	0	0	1	0	0
PHILLIPS CO COMM COL	170	0	0	0	0	0	0	170	0	0	0	0	0
SHORTER COL	206	0	0	0	0	0	0	206	0	0	0	0	0
SOUTHERN BAPTIST COL	443	0	0	0	0	0	0	443	0	0	0	0	0
SOUTHERN ST COL	1,144	0	0	0	0	0	0	1,101	0	0	47	0	0
STATE COLLEGE OF ARKANSAS	439	0	0	0	0	0	0	499	0	0	0	0	0
UNIV OF ARK FAYETTEVILLE	10,671	5,374	54	101	0	0	36	4,185	162	4	767	0	0
UNIV OF ARK LITTLE ROCK	699	0	0	0	0	0	0	697	0	0	2	0	0
UNIV OF ARK MEDICAL CTR	5,340	0	0	0	0	0	0	5,205	0	0	135	0	0
UNIV OF ARK MONTICELLO	570	0	0	0	0	0	0	628	0	0	42	0	0
UNIV OF ARK PINE BLUFF	1,925	684	0	0	0	0	0	1,232	0	0	9	0	0
WESTARK JR COL	146	0	0	0	0	0	0	146	0	0	0	0	0
CALIFORNIA, TOTAL	445,559	4,151	14,327	1,726	37,621	3,176	2,192	296,154	1,820	19,474	78,167	1,715	830
ALLAN HANCOCK COL	186	0	0	0	0	0	0	186	0	0	0	0	0
AMER RIVER COL	142	0	0	0	0	0	0	142	0	0	0	0	0
ANTELOPE VALLEY COL	165	0	0	0	0	0	0	165	0	0	0	0	0
ARMSTRONG SCH OF BUS	47	0	0	0	0	0	0	47	0	0	0	0	0
ART CTR COL OF DESIGN	15	0	0	0	0	0	0	15	0	0	0	0	0
AZUSA PACIFIC COL	222	0	0	0	0	0	0	222	0	0	0	0	0
BAKERSFIELD CCL	218	0	0	0	0	0	0	218	0	0	0	0	0
BARSTOW COL	122	0	0	0	0	0	0	122	0	0	0	0	0
BETHANY PALE COL	87	0	0	0	0	0	0	87	0	0	0	0	0
BIDLA COL	148	0	0	0	0	0	0	148	0	0	0	0	0
BUTTE COL	42	0	0	0	0	0	0	41	0	0	1	0	0
CARRILLO COL	274	0	0	0	0	0	0	275	0	0	0	0	0
CAL BAPTIST COL	27	0	0	0	0	0	0	27	0	0	0	0	0
CAL COL OF ARTS & CRAFTS	704	0	0	0	0	0	0	704	0	0	0	0	0
CAL COL OF PODIATRIC MED	554	0	0	0	0	0	0	554	0	0	0	0	0
CAL CONGREGIA COL	2	0	0	0	0	0	0	2	0	0	0	0	0
CAL INST OF TECH	19,908	0	2,149	1	2,099	0	87	6,024	145	3,498	5,463	0	0
CAL INST OF THE ARTS	191	0	0	0	0	0	0	191	0	0	0	0	0
CAL LUTHERAN COL	94	0	0	0	0	0	0	94	0	0	0	0	0
CAL SCH PROF PSYCHOLOGY	40	0	0	0	0	0	0	40	0	0	0	0	0
CAL ST COL AT BAKERSFIELD	1,210	0	0	0	0	0	0	945	0	0	365	0	0
CAL ST COL CENTRAL SYS	14	0	0	0	0	0	0	14	0	0	0	0	0
CAL ST COL DOMINGUEZ HILL	1,195	0	0	0	0	0	0	1,193	0	0	2	0	0
CAL ST COL SAN BERNARDINO	235	0	0	0	0	0	0	226	0	0	59	0	0
CALIF ST COL STANISLAUS	359	0	0	0	34	0	3	317	0	0	8	0	0
CALIF ST COLLEGE SONOMA	1,095	0	0	0	0	0	0	933	0	0	162	0	0
CALIF ST POLY UNIV POMONA	1,249	0	0	0	0	0	0	1,124	0	0	125	0	0
CALIF ST U SAN LU ORIS PO	1,000	0	0	0	0	279	7	636	0	0	78	0	0
CALIF ST UNIV CHICO	1,162	4	4	0	0	0	0	1,098	0	25	25	0	0
CALIF ST UNIV FRESNO	2,514	12	0	0	0	0	3	2,037	359	0	120	0	0
CALIF ST UNIV FULLERTON	1,644	0	0	0	0	0	0	937	0	35	712	0	0
CALIF ST UNIV HAYWARD	1,502	0	4	0	34	0	8	1,454	0	0	0	0	0
CALIF ST UNIV HUMBOLDT	1,095	26	0	161	0	0	0	818	0	0	90	0	0
CALIF ST UNIV LONG BEACH	2,444	0	0	0	34	0	0	2,381	0	7	62	0	0
CALIF ST UNIV LOS ANGELES	3,790	0	0	0	0	0	0	3,659	0	0	131	0	0
CALIF ST UNIV NORTHRIIDGE	2,714	0	6	0	93	0	0	2,517	0	16	86	0	0
CALIF ST UNIV S FRANCISCO	4,019	0	0	0	0	0	0	3,495	0	9	115	0	0
CALIF ST UNIV SACRAMENTO	2,675	0	5	0	0	0	71	2,525	0	3	71	0	0
CALIF ST UNIV SAN DIEGO	4,170	0	51	0	747	152	0	2,440	0	0	738	0	0
CALIF ST UNIV SAN JOSE	5,151	0	24	122	64	0	0	4,365	0	137	435	0	0
CANADA COL	297	0	0	0	0	0	0	297	0	0	0	0	0
CERRITOS COL	333	0	0	0	0	0	0	326	0	0	7	0	0
CHABOT COL	246	0	0	0	0	0	0	286	0	0	0	0	0
CHAFFET COL	159	0	0	0	0	0	0	159	0	0	0	0	0
CHAPMAN COL	106	0	0	0	0	0	0	93	0	0	13	0	0
CITRUS COL	116	0	0	0	0	0	0	116	0	0	0	0	0
CITY COL OF SAN FRANCISCO	1,054	0	0	0	0	0	0	1,054	0	0	0	0	0
CLAREMONT COL GEN SYS	135	0	0	0	0	0	0	63	0	0	72	0	0
CLAREMONT GRADUATE SCHOOL	741	0	0	0	0	0	0	367	0	0	107	0	267
CLAREMONT WENS COL	42	0	0	0	0	0	0	54	0	0	4	0	0
COL OF ALAMEDA	660	0	0	0	0	0	0	660	0	0	0	0	0

TABLE B-28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AFS	CON	DOE	DEF	FPA	HEW	INT	NASA	NSF	DOT	OTHER*
CALIFORNIA													
COL OF MARIN	229	0	0	0	0	0	0	227	0	0	2	0	0
COL OF NOTRE DAME	36	0	0	0	0	0	0	16	0	0	20	0	0
COL OF SAN MATEO	779	0	0	0	0	0	0	779	0	0	0	0	0
COL OF THE DESERT	131	0	0	0	0	0	0	131	0	0	0	0	0
COL OF THE HOLY NAMES	36	0	0	0	0	0	0	36	0	0	0	0	0
COL OF THE REDWOODS	137	0	0	0	0	0	0	137	0	0	0	0	0
COL OF THE SECURIAS	119	0	0	0	0	0	0	119	0	0	0	0	0
COL OF THE SISKIYOU	45	0	0	0	0	0	0	45	0	0	0	0	0
COLLEGE OF THE CANYONS	35	0	0	0	0	0	0	35	0	0	0	0	0
COLUMBIA JR COL	119	0	0	0	0	0	0	119	0	0	0	0	0
COMPTON COL	436	0	0	0	0	0	0	436	0	0	0	0	0
CONSUMERS RIVER COL	124	0	0	0	0	0	0	124	0	0	0	0	0
CONTRA COSTA COL	554	0	0	0	0	0	0	554	0	0	0	0	0
CRAFTON HILLS COLLEGE	34	0	0	0	0	0	0	34	0	0	0	0	0
CUESTA COL	119	0	0	0	0	0	0	117	0	0	2	0	0
CYPRESS JR COL	190	0	0	0	0	0	0	190	0	0	0	0	0
DE ANZA COLLEGE	315	0	0	0	0	0	0	315	0	0	0	0	0
DIABLO VALLEY COL	245	0	0	0	0	0	0	245	0	0	0	0	0
DOMINICAN COL SAN RAFAEL	10	0	0	0	0	0	0	10	0	0	0	0	0
DON ROSCO TECH INST & COL	51	0	0	0	0	0	0	51	0	0	0	0	0
DREW POST-GRAD MED SCHOOL	900	0	0	0	0	0	0	900	0	0	0	0	0
EAST LOS ANGELES COL	607	0	0	0	0	0	0	607	0	0	0	0	0
EL CAMINO COL	421	0	0	0	0	0	0	421	0	0	0	0	0
FEATHER RIVER COLLEGE	46	0	0	0	0	0	0	46	0	0	0	0	0
FOOTHILL COL	304	0	0	0	0	0	0	304	0	0	0	0	0
FRESNO CITY COL	640	0	0	0	0	0	0	640	0	0	0	0	0
FULLERTON JR COL	174	0	0	0	0	0	0	174	0	0	0	0	0
GLAVIAN COL	196	0	0	0	0	0	0	196	0	0	0	0	0
GLENDALE COL	102	0	0	0	0	0	0	102	0	0	0	0	0
GOLDEN GATE COL	209	0	0	0	0	0	0	209	0	0	0	0	0
GOLDEN WEST COL	120	0	0	0	0	0	0	120	0	0	0	0	0
GRADUATE THEOL UNION	76	0	0	0	0	0	0	76	0	0	0	0	0
GROSSMONT COL	419	0	0	0	0	0	0	419	0	0	0	0	0
HARTNELL COL	120	0	0	0	0	0	0	120	0	0	0	0	0
HARVEY MUDD COL	151	0	0	0	0	0	0	151	0	0	0	0	0
HUMPHREYS COL	40	0	0	0	0	0	0	40	0	0	0	0	0
IMMACULATE HEARTY COL	116	0	0	0	0	0	0	116	0	0	0	0	0
IMPERIAL VALLEY COL	359	0	0	0	0	0	0	359	0	0	0	0	0
JOHN F KENNEDY UNIVERSITY	4	0	0	0	0	0	0	4	0	0	0	0	0
LA VERNE COL	67	0	0	0	0	0	0	67	0	0	0	0	0
LAVEY COL	1,231	0	0	0	0	0	0	1,231	0	0	0	0	0
LASSEN COL	71	0	0	0	0	0	0	71	0	0	0	0	0
LOMA LINDA UNIV	5,956	0	0	0	0	0	0	5,956	0	0	0	0	0
LOME MOUNTAIN COLLEGE	92	0	0	0	0	0	0	92	0	0	0	0	0
LONG BEACH CITY COL	290	0	0	0	0	0	0	290	0	0	0	0	0
LOS ANGELES ART COLISEM	76	0	0	0	0	0	0	76	0	0	0	0	0
LOS ANGELES CITY COL	444	0	0	0	0	0	0	444	0	0	0	0	0
LOS ANGELES COL OF OPTOM	277	0	0	0	0	0	0	277	0	0	0	0	0
LOS ANGELES HARBOR COL	140	0	0	0	0	0	0	140	0	0	0	0	0
LOS ANGELES PIERCE COL	132	0	0	0	0	0	0	132	0	0	0	0	0
LOS ANGELES SOUTHWEST COL	141	0	0	0	0	0	0	141	0	0	0	0	0
LOS ANGELES VA-TECH COL	193	0	0	0	0	0	0	193	0	0	0	0	0
LOS ANGELES VALLEY COL	363	0	0	0	0	0	0	363	0	0	0	0	0
LOYOLA UNIV LOS ANGELES	452	0	0	0	0	0	0	452	0	0	0	0	0
MARYMOUNT COL	212	0	0	0	0	0	0	212	0	0	0	0	0
MENLO COL	25	0	0	0	0	0	0	25	0	0	0	0	0
MERCED COL	525	0	0	0	0	0	0	525	0	0	0	0	0
MERRITT COL	934	0	0	0	0	0	0	934	0	0	0	0	0
MILLS COL	157	0	0	0	0	0	0	157	0	0	0	0	0
MIRA COSTA COL	114	0	0	0	0	0	0	114	0	0	0	0	0
MODESTO JR COL	551	0	0	0	0	0	0	551	0	0	0	0	0
MONTEREY INST OF FOR STUD	74	0	0	0	0	0	0	74	0	0	0	0	0
MONTEREY PENINSULA COL	167	0	0	0	0	0	0	167	0	0	0	0	0
MOORPARK COLLEGE	244	0	0	0	0	0	0	244	0	0	0	0	0
MOUNT SAN ANTONIO COLLEGE	415	0	0	0	0	0	0	415	0	0	0	0	0
MT SAN JACINTO COL	47	0	0	0	0	0	0	47	0	0	0	0	0
MT ST MARYS COL	154	0	0	0	0	0	0	154	0	0	0	0	0
NAIRN COLLEGE	413	0	0	0	0	0	0	413	0	0	0	0	0
NAPA COL	154	0	0	0	0	0	0	154	0	0	0	0	0
NORTHROP INST OF TECH	53	0	0	0	0	0	0	53	0	0	0	0	0
OCCIDENTAL COL	264	0	0	0	0	0	0	264	0	0	0	0	0
OHLONE COLLEGE	121	0	0	0	0	0	0	121	0	0	0	0	0
ORANGE COAST COL	354	0	0	0	0	0	0	354	0	0	0	0	0
OTIS ART INST LA CNVY	61	0	0	0	0	0	0	61	0	0	0	0	0
PACIFIC CHRISTIAN COL	27	0	0	0	0	0	0	27	0	0	0	0	0
PACIFIC COL	355	0	0	0	0	0	0	355	0	0	0	0	0
PACIFIC OAKS COL	223	0	0	0	0	0	0	223	0	0	0	0	0
PACIFIC SCH OF RELIGION	147	0	0	0	0	0	0	147	0	0	0	0	0

TABLE B-28
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DOE	EPA	HEW	IAT	NASA	NSF	DOT	OTHER*
CALIFORNIA													
PACIFIC UNION COL	213	0	0	0	0	0	0	213	0	0	0	0	0
PALO VERDE COL	54	0	0	0	0	0	0	54	0	0	0	0	0
PALOMAR COL	249	0	0	0	0	0	0	249	0	0	0	0	0
PASADENA CITY COL	407	0	0	0	0	0	0	407	0	0	0	0	0
PASADENA COL	364	0	0	0	0	0	0	364	0	0	0	0	0
PEPPERDINE UNIVERSITY	1,895	0	0	0	0	0	0	996	0	0	0	0	0
PITZER COL	144	0	0	0	0	0	0	144	0	0	0	0	0
POMONA COL	343	0	0	0	0	0	0	313	0	0	0	0	0
PORTERVILLE COL	46	0	0	0	0	0	0	46	0	0	0	0	0
REDDLEY COL	137	0	0	0	0	0	0	137	0	0	0	0	0
RIO MONDO COLLEGE	502	0	0	0	0	0	0	502	0	0	0	0	0
RIVERSIDE CITY COL	396	0	0	0	0	0	0	396	0	0	0	0	0
S. CITY JOINT JR COL DIST	18	0	0	0	0	0	0	18	0	0	0	0	0
SACRAMENTO CITY COL	708	0	0	0	0	0	0	695	0	0	0	0	0
SAN BERNARDINO VALLEY COL	526	0	0	0	0	0	0	526	0	0	0	0	0
SAN DIEGO CITY COL	44	0	0	0	0	0	0	40	0	0	0	0	0
SAN DIEGO JR COL DEV SYS	169	0	0	0	0	0	0	147	0	0	0	0	0
SAN DIEGO MESA COL	159	0	0	0	0	0	0	159	0	0	0	0	0
SAN FRANCISCO ART INST	17	0	0	0	0	0	0	17	0	0	0	0	0
SAN FRANCISCO CONSV MUSIC	518	0	0	0	0	0	0	518	0	0	0	0	0
SAN JOAQUIN DELTA COL	1,572	0	0	0	0	0	0	1,572	0	0	0	0	0
SAN JOSE BIBLE COL	22	0	0	0	0	0	0	22	0	0	0	0	0
SAN JOSE CITY COL	392	0	0	0	0	0	0	392	0	0	0	0	0
SANTA ANA COL	615	0	0	0	0	0	0	612	0	0	0	0	0
SANTA BARBARA CITY COL	321	0	0	56	0	0	0	265	0	0	0	0	0
SANTA MONICA COLLEGE	247	0	0	0	0	0	0	247	0	0	0	0	0
SANTA ROSA JR COL	193	0	0	0	0	0	0	193	0	0	0	0	0
SCRIPPS COL	82	0	0	0	0	0	0	82	0	0	0	0	0
SHASTA COL	164	0	0	0	0	0	0	164	0	0	0	0	0
SIERRA COL	165	0	0	0	0	0	0	165	0	0	0	0	0
SIMPSON COLLEGE	82	0	0	0	0	0	0	52	0	0	0	0	0
SKYLINE COLLEGE	212	0	0	0	0	0	0	212	0	0	0	0	0
SOLANO COL	662	0	0	0	0	0	0	662	0	0	0	0	0
SOUTHERN CAL COL	201	0	0	0	0	0	0	201	0	0	0	0	0
SOUTHERN CAL SCH THEOLOGY	37	0	0	0	0	0	0	37	0	0	0	0	0
SOUTHWESTERN COL	218	0	0	0	0	0	0	218	0	0	0	0	0
ST MARYS COL CALIFORNIA	58	0	0	0	0	0	0	58	0	0	0	0	0
STANFORD UNIV	62,224	0	619	6	8,560	0	242	34,075	173	3,579	14,834	115	17
TAFI COL	24	0	0	0	0	0	0	24	0	0	0	0	0
U S INTERNATIONAL UNIV	731	0	0	0	0	0	0	716	0	0	0	0	0
UNIV OF CAL BERKELEY	57,105	6,578	632	107	5,785	1,636	403	23,584	650	4,111	13,389	368	172
UNIV OF CAL DAVIS	22,349	1,816	1,936	0	323	0	109	15,312	114	191	3,156	0	32
UNIV OF CAL IRVINE	7,361	0	749	30	375	0	36	5,323	41	26	1,181	0	0
UNIV OF CAL LOS ANGELES	63,493	0	4,772	0	4,117	312	143	45,329	320	1,573	6,183	772	172
UNIV OF CAL RIVERSIDE	5,873	491	302	0	143	79	436	2,744	18	74	1,586	0	0
UNIV OF CAL SAN DIEGO	57,593	0	1,539	224	10,989	403	124	17,615	0	4,684	21,952	55	0
UNIV OF CAL SANTA CRUZ	1,742	0	137	0	25	32	0	824	0	6	718	0	0
UNIV OF CAL CENTRAL SYS	553	0	0	0	0	0	0	624	0	0	29	0	0
UNIV OF CAL SAN FRANCISCO	16,472	0	161	0	301	0	0	14,916	0	186	208	0	0
UNIV OF CAL SANTA BARBARA	5,747	0	225	366	593	0	44	3,025	0	70	1,419	5	0
UNIV OF CALANDOS	320	0	0	0	0	0	0	278	0	0	42	0	0
UNIV OF SAN FRANCISCO	1,049	0	0	0	40	0	0	832	0	124	175	0	0
UNIV OF SANTA CLARA	424	0	0	0	22	0	0	341	0	290	49	0	0
UNIV OF SOUTHERN CAL	31,638	0	164	551	3,224	0	440	23,106	0	422	2,577	498	170
UNIV S D COORDINATE COLL	3,631	0	0	0	0	313	0	3,194	0	0	124	0	0
VENTURA COL	310	0	0	0	0	0	0	266	0	0	44	0	0
VICTOR VALLEY COL	300	0	0	0	0	0	0	300	0	0	0	0	0
WEST COAST UNIV	77	0	0	0	0	0	0	77	0	0	0	0	0
WEST HILLS COLLEGE	54	0	0	0	0	0	0	54	0	0	0	0	0
WEST LOS ANGELES COLLEGE	39	0	0	0	0	0	0	34	0	0	5	0	0
WEST VALLEY COL	40	0	0	0	0	0	0	40	0	0	0	0	0
WESTMONT COL	180	0	0	0	0	0	0	180	0	0	0	0	0
WHITTIER COL	121	0	0	0	0	0	0	121	0	0	0	0	0
YUBA COL	189	0	0	0	0	0	0	180	0	0	9	0	0
	224	0	0	0	0	0	0	224	0	0	0	0	0
COLORADO, TOTAL													
ADAMS STATE COL	69,220	2,828	1,050	1,171	4,202	251	369	40,290	1,625	3,972	12,226	193	1,083
ADAMS STATE COL	517	0	0	0	0	0	0	517	0	0	0	0	0
ADAMS COL	217	0	0	0	0	0	0	217	0	0	0	0	0
ARAPAHOE COMMUNITY COLL	56	0	0	0	0	0	0	56	0	0	0	0	0
COLORADO COL	104	0	0	0	0	0	0	87	0	0	21	0	0
COLORADO MOUNTAIN COL	132	0	0	0	0	0	0	132	0	0	0	0	0
COLORADO SCH OF MINES	1,147	0	0	168	40	0	0	40	167	81	591	0	0
COLORADO STATE UNIV	16,491	2,814	223	135	561	0	204	5,046	437	653	5,387	0	1,083
COLORADO WESTERN COL	3	0	0	0	0	0	0	3	0	0	0	0	0
COMMUNITY COLLEGE DENVER	734	0	0	0	0	0	0	734	0	0	0	0	0
EL PASO COMMUNITY COLLEGE	155	0	0	0	0	0	24	131	0	0	0	0	0

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CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DEO	EPA	HEW	IAT	NASA	NSF	DOT	OTHER*
COLORADO													
FORT LEWIS COL	802	0	0	0	0	0	0	795	0	0	7	0	0
ILIFF SCHOOL OF THEOLOGY	15	0	0	0	0	0	0	35	0	0	0	0	0
LAMAR COMMUNITY COLLEGE	59	0	0	0	0	0	0	59	0	0	0	0	0
LORETO HEIGHTS COL	171	0	0	0	0	0	0	165	0	0	6	0	0
MESA COL	121	0	0	0	0	0	0	119	0	0	2	0	0
METROPOLITAN STATE COL	1,044	0	0	0	0	0	0	1,044	0	0	0	0	0
NORTHEASTERN JR COL	195	0	0	0	0	0	0	195	0	0	0	0	0
OTERO JR COL	296	0	0	0	0	0	0	296	0	0	0	0	0
PANGELY COL	64	0	0	0	0	0	0	64	0	0	0	0	0
REGIS COL	95	0	0	0	0	0	0	95	0	0	0	0	0
ROCKMONT COL	13	0	0	0	0	0	0	13	0	0	0	0	0
SOUTHERN COLORADO ST COL	1,130	0	0	0	5	251	0	849	0	0	25	0	0
ST THOMAS SEM COL	5	0	0	0	0	0	0	5	0	0	0	0	0
TEMPLE BUELL COL	167	0	0	0	0	0	0	161	0	0	6	0	0
TRINIDAD STATE JR COL	498	0	0	0	0	0	0	495	0	0	3	0	0
UNIV OF COLORADO	15,547	10	827	834	953	0	137	24,467	245	2,681	4,979	50	0
UNIV OF DENVER	5,760	0	0	10	2,641	0	0	2,004	354	957	1,065	103	0
UNIV OF NORTHERN COLORADO	2,010	0	0	0	0	0	0	1,958	18	0	34	0	0
WESTERN ST COL COLORADO	108	0	0	0	0	0	0	108	0	0	0	0	0
CONNECTICUT, TOTAL	49,697	1,521	3,013	85	3,832	0	88	53,268	228	527	7,375	14	554
ALBERTUS MAGNUS COL	103	0	0	0	0	0	0	103	0	0	0	0	0
ANNHURST COL	25	0	0	0	0	0	0	25	0	0	0	0	0
CENTRAL CONN ST COL	776	0	0	0	0	0	0	718	0	0	58	0	0
CONNECTICUT COL	331	0	0	0	4	0	0	304	0	0	23	0	0
EASTERN CONN STATE COL	240	0	0	0	0	0	0	240	0	0	0	0	0
FAIRFIELD UNIV	761	0	0	0	0	0	0	323	0	0	77	0	361
HARTFORD COL FOR WOMEN	25	0	0	0	0	0	0	25	0	0	0	0	0
HARTFORD STATE TECH COL	51	0	0	0	0	0	0	51	0	0	0	0	0
HOLYCATONIC REG COMM COL	106	0	0	0	0	0	0	106	0	0	0	0	0
MANCHESTER COMM COL	62	0	0	0	0	0	0	62	0	0	0	0	0
MATTATUCK COMMUNITY COL	787	0	0	0	0	0	0	787	0	0	0	0	0
MIDDLESEX COMM COL	124	0	0	0	0	0	0	124	0	0	0	0	0
MITCHELL COL	42	0	0	0	0	0	0	42	0	0	0	0	0
MORSE OF HARTFORD	5	0	0	0	0	0	0	5	0	0	0	0	0
NEW ENGLAND INST	134	0	42	0	59	0	0	19	0	0	14	0	0
NORTHWEST CONN COMM COL	26	0	0	0	0	0	0	26	0	0	0	0	0
NORWALK COMM COL	144	0	0	0	0	0	0	144	0	0	0	0	0
NORWALK STATE TECH COL	33	0	0	0	0	0	0	33	0	0	0	0	0
POST JR COL	117	0	0	0	0	0	0	117	0	0	0	0	0
QUINNIPIC COL	927	0	0	0	0	0	0	925	0	0	2	0	0
SACRED HEART UNIV	44	0	0	0	0	0	0	44	0	0	0	0	0
SOUTH CENTRAL COMM COL	321	0	0	0	0	0	0	321	0	0	0	0	0
SOUTHERN CONN STATE COL	946	0	0	0	0	0	0	943	0	0	43	0	0
ST JOSEPH COL	115	0	0	0	0	0	0	58	0	10	47	0	0
THAMES VALLEY ST TECH COL	47	0	0	0	0	0	0	47	0	0	0	0	0
TRINITY COL	117	0	0	0	0	0	0	128	0	0	9	0	0
TUNXIS COMMUNITY COLLEGE	120	0	0	0	0	0	0	120	0	0	0	0	0
UNIV OF BRIDGEPORT	703	0	0	0	0	0	0	677	0	0	26	0	0
UNIV OF CONNECTICUT	14,323	1,521	83	85	357	0	44	10,545	157	247	1,220	0	0
UNIV OF HARTFORD	1,240	0	0	0	0	0	0	1,271	0	0	9	0	0
UNIV OF NEW HAVEN	533	0	0	0	0	0	0	533	0	0	0	0	0
WATERBURY STATE TECH COL	30	0	0	0	0	0	0	30	0	0	0	0	0
WESLEYAN UNIV	1,576	0	0	0	10	0	0	963	0	0	549	14	0
WESTERN CONN STATE COL	107	0	0	0	0	0	0	99	0	0	4	0	0
YALE UNIV	44,504	0	2,898	0	2,602	0	12	33,222	71	270	5,246	0	193
DELAWARE, TOTAL	7,512	1,451	13	0	245	0	74	3,541	100	30	2,058	0	0
BRANDYWINE COLLEGE	173	0	0	0	0	0	0	173	0	0	0	0	0
DELAWARE STATE COL	1,456	329	0	0	0	0	16	1,078	0	14	15	0	0
DELAWARE TECH & COMM COL	102	0	0	0	0	0	0	102	0	0	0	0	0
GOLDEN BEACON COLLEGE	75	0	0	0	0	0	0	75	0	0	0	0	0
UNIV OF DELAWARE	5,332	1,122	13	0	245	0	54	1,739	100	12	2,043	0	0
WESLEY COL	116	0	0	0	0	0	0	116	0	0	0	0	0
WILMINGTON COLLEGE	34	0	0	0	0	0	0	34	0	0	0	0	0
DIST. OF COLUMBIA, TOTAL	104,149	511	174	92	4,117	4,211	415	93,624	86	1,453	2,657	344	341
AMERICAN UNIVERSITY	2,744	0	12	0	1,111	0	4	961	0	25	355	300	22
CATHOLIC UNIV OF AMERICA	4,925	0	16	0	870	0	14	3,268	62	154	479	44	14
DIST OF COL YCHRS COL	417	0	0	0	0	0	0	417	0	0	0	0	0
DUNNAPTON COL HOLY CROSS	137	0	0	0	0	0	0	129	0	0	4	0	0
FEDERAL CITY COL	3,519	240	0	0	0	0	46	3,018	0	80	95	0	0
GALLAUDET COL	12,744	0	0	0	0	0	0	12,657	0	0	47	0	0
GEORGE WASHINGTON UNIV	15,745	0	21	0	1,599	0	137	11,552	0	956	424	0	246
GEORGETOWN UNIV	15,715	45	39	0	442	0	100	14,410	2	30	605	0	2

TABLE B-28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	CON	DOO	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
DIST. OF COLUMBIA													
HOWARD UNIV	51,069	6	86	0	55	4,211	80	46,158	22	264	190	0	57
IMMACULATE COL OF WASH	12	0	0	0	0	0	0	12	0	0	0	0	0
MOUNT VERNON COLLEGE	11	0	0	0	0	0	0	11	0	0	0	0	0
NATIONAL GRADUATE UNIV	14	0	0	0	0	0	0	0	0	0	14	0	0
SOUTHEASTERN UNIV	7	0	0	0	0	0	0	7	0	0	0	0	0
STRAYER COLLEGE	56	0	0	0	0	0	0	56	0	0	0	0	0
TRINITY COL	133	0	0	0	0	0	0	133	0	0	0	0	0
WASHINGTON TECHNICAL INST	1,221	280	0	92	0	0	0	849	0	0	0	0	0
FLORIDA, TOTAL	122,154	4,863	1,816	2,149	5,175	2,169	1,006	69,199	320	874	12,400	482	701
BARRY COL	349	0	0	0	0	0	0	349	0	0	0	0	0
BETHUNE-COOKMAN COL	1,012	0	0	0	0	0	0	1,001	0	0	11	0	0
BISCAYNE COL	77	0	0	0	0	0	0	77	0	0	0	0	0
BREVARD COMMUNITY COLLEGE	367	0	0	0	0	0	0	347	0	0	0	0	0
BROWARD COMMUNITY COLLEGE	584	0	0	0	0	0	0	502	0	0	2	0	0
CENTRAL FLORIDA CNTY COL	462	0	0	0	0	0	24	438	0	0	0	0	0
CHIPOLA JR COL	190	0	0	0	0	0	0	178	0	0	2	0	0
DAYTONA BEACH CNTY COL	241	0	0	0	0	0	0	240	0	0	1	0	0
EDISON JR COL	106	0	0	0	0	0	0	106	0	0	0	0	0
EDWARD WATERS COL	521	0	0	0	0	0	0	487	0	0	34	0	0
EMBRY-RIDDLE AERO UNIV	165	0	0	0	0	0	0	165	0	0	0	0	0
FLA INTERNATIONAL UNIV	617	0	0	0	0	0	0	617	0	0	0	0	0
FLORIDA AGR & MECH UNIV	2,349	553	0	0	0	0	0	1,761	0	0	65	0	0
FLORIDA ATLANTIC UNIV	2,764	0	0	0	52	1,145	31	774	0	0	720	0	0
FLORIDA INST OF TECH	446	0	0	0	52	0	0	399	0	35	10	0	0
FLORIDA JR COL	401	0	0	0	0	0	0	372	0	0	29	0	0
FLORIDA KEYS CNTY COLLEGE	194	0	0	0	0	0	0	194	0	0	0	0	0
FLORIDA MEMORIAL COL	924	0	0	0	0	0	0	924	0	0	0	0	0
FLORIDA PRESBYTERIAN COL	313	0	0	0	0	0	0	295	0	0	18	0	0
FLORIDA SOUTHERN COL	157	0	0	0	0	0	0	187	0	0	0	0	0
FLORIDA STATE UNIV	12,614	0	983	471	559	0	7	6,127	139	124	3,550	147	587
FLORIDA TECHNOLOGICAL UNIV	1,447	5	0	0	0	0	0	1,288	0	20	134	0	0
FORT LAUDERDALE UNIV	60	0	0	0	0	0	0	60	0	0	0	0	0
GULF COAST JR COL	90	0	0	0	0	0	0	90	0	0	0	0	0
HILLSBOROUGH CNTY COLLEGE	458	0	0	0	0	0	0	458	0	0	0	0	0
INDIAN RIVER CNTY COLLEGE	215	0	0	0	0	0	0	215	0	0	0	0	0
JACKSONVILLE UNIV	210	0	0	0	0	0	0	219	0	0	11	0	0
JONES COL	171	0	0	0	0	0	0	171	0	0	0	0	0
LAKE CITY COMMUNITY COLL	544	0	0	0	0	0	0	391	0	0	197	0	0
LAKE-SUMTER COMMUNITY COL	33	0	0	0	0	0	0	33	0	0	0	0	0
MANATEE JR COL	220	0	0	0	0	0	0	220	0	0	0	0	0
MARYMOUNT COL	45	0	0	0	0	0	0	48	0	0	0	0	0
MIAMI-DADE JR COL	3,898	0	0	0	0	0	50	3,836	0	0	2	0	0
NEW COL	12	0	0	0	0	0	0	12	0	0	0	0	0
NORTH FLORIDA JR COL	209	0	0	0	0	0	0	209	0	0	0	0	0
NOVA UNIV	947	0	0	52	347	0	0	90	0	0	399	99	0
OKALOOSA-WALTON JR COL	48	0	0	0	0	0	0	48	0	0	0	0	0
PALM BEACH ATLANTIC COLL	77	0	0	0	0	0	0	77	0	0	0	0	0
PALM BEACH JR COL	43	0	0	0	0	0	0	43	0	0	0	0	0
PENSACOLA JR COL	215	0	0	0	0	0	0	215	0	0	0	0	0
POLK JR COL	60	0	0	0	0	0	0	60	0	0	0	0	0
ROLLINS COL	318	0	0	0	0	0	0	119	0	0	199	0	0
SANTA FE JR COL	594	0	0	0	0	0	17	549	0	0	14	0	0
SEMINOLE JR COL	191	0	0	0	0	0	0	191	0	0	0	0	0
SOUTH FLORIDA JR COL	9	0	0	0	0	0	0	9	0	0	0	0	0
SOUTH-EASTERN HIGHL COL	227	0	0	0	0	0	0	227	0	0	0	0	0
ST JOHNS RIVER JR COL	117	0	0	0	0	0	0	117	0	0	0	0	0
ST JOSEPH COL OF FLORIDA	24	0	0	0	0	0	0	24	0	0	0	0	0
ST LEO COL	50	0	0	0	0	0	0	48	0	0	2	0	0
ST PETERSBURG JR COL	582	0	0	0	0	0	0	582	0	0	0	0	0
ST UNIV SYS OF FLA	41	0	0	0	0	0	41	0	0	0	0	0	0
STETSON UNIV	435	0	0	0	0	0	0	411	0	0	24	0	0
TALLAHASSEE COMMUNITY COL	167	0	0	0	0	0	0	167	0	0	0	0	0
UNIV OF FLORIDA	27,552	4,295	496	57	2,183	405	653	15,206	181	435	2,447	0	194
UNIV OF MIAMI	27,838	0	316	1,569	2,896	579	166	17,706	0	260	4,102	236	0
UNIV OF SOUTH FLORIDA	9,220	0	21	0	86	0	5	8,714	0	0	394	0	0
UNIV OF TAMPA	69	0	0	0	0	0	0	69	0	0	0	0	0
UNIV OF WEST FLORIDA	415	0	0	0	0	0	0	415	0	0	0	0	0
UNIVERSITY OF NORTH FLA	365	0	0	0	0	0	0	352	0	0	13	0	0
VALENCIA COMMUNITY COLL	342	0	0	0	0	0	0	326	0	0	16	0	0
GEORGIA, TOTAL	70,529	8,055	931	145	3,044	0	359	50,064	293	875	5,672	975	115
ABRAHAM BALDWIN AGR COL	446	0	0	0	0	0	0	446	0	0	0	0	0
AGNES SCOTT COL	14	0	0	0	0	0	0	0	0	0	14	0	0
ALBANY JR COL	177	0	0	0	0	0	0	177	0	0	0	0	0
ALBANY STATE COL	1,541	0	0	0	0	0	0	1,457	0	0	74	0	0

TABLE B-28
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	OEO	FPA	HEW	INT	NASA	NSF	DOT	OTHER*
GEORGIA													
ANDREW COL	39	0	0	0	0	0	0	39	0	0	0	0	0
ARMSTRONG STATE COL	204	0	0	0	0	0	0	204	0	0	0	0	0
ATLANTA BAPTIST COLLEGE	86	0	0	0	0	0	0	86	0	0	0	0	0
ATLANTA SCH OF ART	46	0	0	0	0	0	0	46	0	0	0	0	0
ATLANTA UNIV	1,550	0	0	0	0	0	0	1,386	0	0	149	115	0
ATLANTA UNIVERSITY CENTER	317	0	0	0	0	0	0	293	0	0	24	0	0
AUGUSTA COL	272	0	0	0	0	0	0	270	0	0	2	0	0
BERRY COL	274	0	0	0	0	0	0	271	0	0	3	0	0
BIRDWOOD JR COL	3	0	0	0	0	0	0	3	0	0	0	0	0
BRENAU COL	29	0	0	0	0	0	0	29	0	0	0	0	0
BRENTON-PARKER COL	103	0	0	0	0	0	0	103	0	0	0	0	0
BRUNSWICK JR COL	360	0	0	0	0	0	0	360	0	0	0	0	0
CLARK COL	2,245	0	0	0	0	0	0	2,164	0	0	77	0	0
CLAYTON JUNIOR COLLEGE	211	0	0	0	0	0	0	211	0	0	0	0	0
COLUMBUS COL	847	0	0	0	0	0	0	872	0	0	15	0	0
COVENANT COL	164	0	0	0	0	0	0	164	0	0	0	0	0
DALTON JR COL	47	0	0	0	0	0	0	47	0	0	0	0	0
DEKALB COL	194	0	0	0	0	0	0	194	0	0	0	0	0
EMMANUEL COL	77	0	0	0	0	0	0	77	0	0	0	0	0
EMORY UNIV	14,139	0	76	0	0	0	0	13,122	0	102	562	0	0
FERNBANK SCIENCE CENTER	10	0	0	0	0	0	0	0	0	0	10	0	0
FLOYD JUNIOR COLLEGE	246	0	0	0	0	0	0	246	0	0	0	0	0
FORT VALLEY STATE COL	1,716	874	0	0	0	0	0	869	0	0	9	0	0
GAINESVILLE JR COL	96	0	0	0	0	0	0	96	0	0	0	0	0
GEORGIA COLLEGE	198	0	0	0	0	0	0	177	0	0	21	0	0
GEORGIA INST OF TECH	7,606	0	318	146	2,612	0	176	1,527	274	626	1,067	850	0
GEORGIA SOUTHERN COL	459	0	0	0	0	0	0	450	0	0	9	0	0
GEORGIA SOUTHWESTERN COL	232	0	0	0	0	0	0	232	0	0	0	0	0
GEORGIA STATE UNIVERSITY	1,249	0	0	0	42	0	0	1,042	0	0	107	0	98
GORDON MILITARY COL	73	0	0	0	0	0	0	73	0	0	0	0	0
INTERDENOMINA THEOL CTR	14	0	0	0	0	0	0	14	0	0	0	0	0
KENNESAW JR COL	254	0	0	0	0	0	0	254	0	0	0	0	0
LA GRANGE COL	111	0	0	0	0	0	0	111	0	0	0	0	0
MACON JR COL	59	0	0	0	0	0	0	59	0	0	0	0	0
MEDICAL COL OF GEORGIA	5,174	0	0	0	10	0	44	5,164	0	0	16	0	0
MERCER UNIV	753	0	0	0	0	0	0	753	0	0	0	0	0
MIDDLE GEORGIA COL	398	0	0	0	0	0	0	396	0	0	2	0	0
MOREHOUSE COL	1,527	0	0	0	0	0	0	1,042	0	91	434	0	0
MORRIS BROWN COL	1,667	0	0	0	0	0	0	1,580	0	0	87	0	0
NORTH GEORGIA COL	274	0	0	0	0	0	0	228	0	0	50	0	0
OGLETHORPE COL	125	0	0	0	0	0	0	125	0	0	0	0	0
PATNE COL	1,905	0	0	0	0	0	0	1,622	0	0	283	0	0
PIEDMONT COL	116	0	0	0	0	0	0	116	0	0	0	0	0
REINHARDT COL	97	0	0	0	0	0	0	97	0	0	0	0	0
SAVANNAH STATE COL	1,154	0	0	0	0	0	0	1,122	0	0	32	0	0
SHORTER COL	21	0	0	0	0	0	0	14	0	0	7	0	0
SOUTH GEORGIA COL	405	0	0	0	0	0	0	400	0	0	0	0	0
SPELMAN COL	1,575	0	0	0	0	0	0	1,296	0	0	279	0	0
TIFT COL	428	0	0	0	0	0	0	428	0	0	0	0	0
TOCCOA FALLS INST	183	0	0	0	0	0	0	183	0	0	0	0	0
TRUETT MCCONNELL COL	43	0	0	0	0	0	0	43	0	0	0	0	0
UNIV OF GEORGIA	17,261	7,217	517	0	248	0	46	6,458	19	16	2,223	0	17
UNIV SYSTEM OF GEORGIA	44	0	0	0	0	0	44	0	0	0	0	0	0
VALDOSTA ST COL	424	0	0	0	0	0	0	417	0	0	7	0	0
WESLEYAN COL	4	0	0	0	0	0	0	4	0	0	0	0	0
WEST GEORGIA COL	867	0	0	0	0	0	0	858	0	0	9	0	0
YOUNG HARRIS COL	53	0	0	0	0	0	0	53	0	0	0	0	0
HAWAII, TOTAL	22,916	1,376	634	1,290	1,641	0	0	11,640	164	2,198	3,754	0	235
CHAMINADE COL OF HONOLULU	191	0	0	0	0	0	0	191	0	0	0	0	0
HAWAII LOA COLLEGE	19	0	0	0	0	0	0	19	0	0	0	0	0
HAWAII PACIFIC COLLEGE	45	0	0	0	0	0	0	45	0	0	0	0	0
MAUNALO COL	190	0	0	0	0	0	0	190	0	0	0	0	0
UNIV OF HAWAII	22,651	1,376	634	1,290	1,641	0	0	11,155	164	2,198	3,754	0	235
IDaho, TOTAL	7,846	1,940	18	6	223	0	0	4,747	352	0	560	0	0
BOISE STATE COLLEGE	1,818	0	0	0	0	0	0	1,004	0	0	14	0	0
COL OF IDAHO	272	0	0	0	0	0	0	256	0	0	16	0	0
COL OF SOUTHERN IDAHO	425	0	0	0	0	0	0	424	0	0	1	0	0
IDAHO STATE UNIV	2,844	0	13	0	0	0	0	2,026	0	0	45	0	0
LEWIS AND CLARK STATE COL	79	0	0	0	0	0	0	79	0	0	0	0	0
NORTH IDAHO COLLEGE	199	0	0	0	0	0	0	199	0	0	0	0	0
NORTHWEST NAZARENE COL	190	0	0	0	0	0	0	186	0	0	4	0	0
UNIV OF IDAHO	3,419	1,940	5	6	223	0	0	573	352	0	480	0	0

TABLE B-28
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
ILLINOIS, TOTAL	178,389	6,951	8,189	213	8,677	451	1,293	118,739	346	4,168	28,203	745	342
AUGUSTANA COL	126	0	0	0	0	0	0	126	0	0	0	0	0
AURORA COL	99	0	0	0	0	0	0	76	0	0	23	0	0
BARAT COLLEGE	347	0	0	0	0	0	0	347	0	0	0	0	0
BELLEVILLE AREA COLLEGE	80	0	0	0	0	0	0	80	0	0	0	0	0
BLACK HAWK COL	226	0	0	0	0	0	0	196	0	0	0	10	0
BLACKHURN COL	37	0	0	0	0	0	0	35	0	0	2	0	0
BRADLEY UNIV	681	0	0	0	0	0	0	586	0	0	15	0	0
CARL SANDORURG COL	45	0	0	0	0	0	0	45	0	0	0	0	0
CENTRAL YMCA COMM COL	2,390	0	0	0	0	0	0	2,390	0	0	0	0	0
CHI COL OSTEOPATHIC MED	765	0	0	0	0	0	0	765	0	0	0	0	0
CHICAGO CONSERVATORY COL	14	0	0	0	0	0	0	14	0	0	0	0	0
CHICAGO MEDICAL SCHOOL	1,674	0	0	0	16	0	0	1,591	0	0	67	0	0
CHICAGO STATE COL	1,134	0	0	0	0	0	0	1,091	0	0	43	0	0
CITY COLLEGES OF CHICAGO	5,394	0	0	0	0	0	0	6,391	0	0	1	0	0
COL OF DU PAGE	272	0	0	0	0	0	0	272	0	0	0	0	0
COL OF ST FRANCIS	46	0	0	0	0	0	0	44	0	0	2	0	0
COLLEGE OF LAKE COUNTY	195	0	0	0	0	0	0	195	0	0	0	0	0
COLUMBIA COL	12	0	0	0	0	0	0	12	0	0	0	0	0
CONCORDIA TCHRS COL	76	0	0	0	0	0	0	36	0	0	0	0	0
DANVILLE JR COL	206	0	0	0	0	0	0	201	0	0	5	0	0
DEPAUL UNIV	893	0	0	0	0	0	0	821	0	0	72	0	0
DEVRY INST OF TECHNOLOGY	40	0	0	0	0	0	0	40	0	0	0	0	0
EASTERN ILLINOIS UNIV	713	0	0	0	0	0	0	713	0	0	0	0	0
ELGIN COMM COL	147	0	0	0	0	0	0	147	0	0	0	0	0
ELMHURST COL	193	0	0	0	0	0	0	185	0	0	8	0	0
EUREKA COL	188	0	0	0	0	0	0	188	0	0	0	0	0
GARRETT AGRICAL INST	26	0	0	0	0	0	0	26	0	0	0	0	0
GEORGE WILLIAMS COL	226	0	0	0	0	0	0	226	0	0	0	0	0
GOVERNORS STATE UNIV	475	0	0	0	0	0	0	476	0	0	0	0	0
GREENVILLE COL	153	0	0	0	0	0	0	153	0	0	0	0	0
HERREM THEOL COL	47	0	0	0	0	0	0	47	0	0	0	0	0
HIGHLAND COMM COL	103	0	0	0	0	0	0	103	0	0	0	0	0
ILL COL OF PODIATRIC MED	1,457	0	0	0	0	0	0	1,457	0	0	0	0	0
ILLINOIS BENEVOLENCE COL	177	0	70	0	0	0	0	97	0	0	10	0	0
ILLINOIS CENTRAL COL	322	0	0	0	0	0	0	322	0	0	0	0	0
ILLINOIS COL	42	0	0	0	0	0	0	42	0	0	0	0	0
ILLINOIS COL OF OPTOMETRY	682	0	0	0	0	0	0	682	0	0	0	0	0
ILLINOIS INST OF TECH	6,998	0	167	0	142	0	29	4,714	0	68	2,737	141	0
ILLINOIS ST UNIV	1,776	0	29	0	0	46	0	1,597	0	0	104	0	0
ILLINOIS VALLEY COM COLL	47	0	0	0	0	0	0	47	0	0	0	0	0
ILLINOIS MESSEYAN UNIV	259	0	0	0	0	0	0	257	0	0	2	0	0
JOHN A LOGAN COLLEGE	24	0	0	0	0	0	0	24	0	0	0	0	0
JOLIET JR COL	159	0	0	0	0	0	0	159	0	0	0	0	0
JUDSON COL	42	0	0	0	0	0	0	42	0	0	0	0	0
KANKAKEE COMMUNITY COL	61	0	0	0	0	0	0	61	0	0	0	0	0
KASKASKIA COL	66	0	0	0	0	0	0	66	0	0	0	0	0
KENDALL COL	151	0	0	0	0	0	0	151	0	0	0	0	0
KISHWAUKEE COL	47	0	0	0	0	0	0	47	0	0	0	0	0
KNOX COL	188	0	0	0	0	0	0	88	0	0	100	0	0
LAKE FOREST COL	149	0	0	0	0	0	0	149	0	0	0	0	0
LAKE LAND COL	88	0	0	0	0	0	0	88	0	0	0	0	0
LEWIS COL	567	0	0	0	0	0	0	563	0	0	4	0	0
LINCOLN CHRISTIAN COL	19	0	0	0	0	0	0	19	0	0	0	0	0
LINCOLN COL	13	0	0	0	0	0	0	13	0	0	0	0	0
LINCOLN LAND JR COLLEGE	117	0	0	0	0	0	0	117	0	0	0	0	0
LOYOLA UNIV	5,424	0	40	0	43	0	0	5,674	0	0	67	0	0
MACDONALD COL	57	0	0	0	0	0	0	57	0	0	0	0	0
MACHMURRAY COL	465	0	0	0	0	0	0	463	0	0	2	0	0
MCHENRY COUNTY COL	29	0	0	0	0	0	0	29	0	0	0	0	0
MCKENDREE COL	76	0	0	0	0	0	0	76	0	0	0	0	0
MILLIKIN UNIV	115	0	0	0	0	0	0	115	0	0	0	0	0
MONMOUTH COL	95	0	0	0	0	0	0	84	0	0	11	0	0
MORRIS VALLEY COMM COLL	61	0	0	0	0	0	0	61	0	0	0	0	0
MORTON JR COL	51	0	0	0	0	0	0	51	0	0	0	0	0
MUNDELEIN COL	361	0	0	0	0	0	0	361	0	0	0	0	0
NAT COL OF EDUCATION	122	0	0	0	0	0	0	122	0	0	0	0	0
NORTH CENTRAL COL	64	0	0	0	0	0	0	61	0	0	3	0	0
NORTH PARK COL THEOL SEM	148	0	0	0	0	0	0	148	0	0	0	0	0
NORTHEASTERN ILL ST COL	792	0	0	0	0	0	0	771	0	0	11	0	0
NORTHERN BAPT THEOL SEM	10	0	0	0	0	0	0	10	0	0	0	0	0
NORTHERN ILLINOIS UNIV	2,897	0	0	0	49	0	0	2,514	0	0	334	0	0
NORTHWESTERN UNIV	21,829	0	105	0	794	357	393	15,417	0	217	4,203	336	3
OLIVET NAZARENE COL	344	0	0	0	0	0	0	344	0	0	0	0	0
OLNEY CENTRAL COLLEGE	707	0	0	0	0	0	0	707	0	0	0	0	0
PARKLAND COL	113	0	0	0	0	0	0	133	0	0	0	0	0
PRAIRIE STATE COL	204	0	0	0	0	0	0	204	0	0	0	0	0
PRINCIPAL COL	2	0	0	0	0	0	0	2	0	0	0	0	0

TABLE B-28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	CON	DOO	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
ILLINOIS													
QUINCY COL	149	0	0	0	0	0	0	140	0	0	9	0	0
REND LAKE COL	26	0	0	0	0	0	0	26	0	0	0	0	0
ROBERT MORRIS COL	86	0	0	0	0	0	0	86	0	0	0	0	0
ROCK VALLEY COL	169	0	0	0	0	0	0	169	0	0	0	0	0
ROCKFORD COL	2	0	0	0	0	0	0	2	0	0	0	0	0
ROOSEVELT UNIV	649	0	0	0	0	0	0	607	0	0	42	0	0
ROSARY COL	77	0	0	0	0	0	0	77	0	0	0	0	0
RUSH MEDICAL COLLEGE	346	0	0	0	0	0	0	346	0	0	0	0	0
SANGAMON STATE UNIVERSITY	308	0	0	0	0	0	0	308	0	0	0	0	0
SAUK VALLEY COL	188	0	0	0	0	0	0	188	0	0	0	0	0
SCHOOLS OF THE ART INST	88	0	0	0	0	0	0	88	0	0	0	0	0
SHAWNEE COLLEGE	146	0	0	0	0	0	0	146	0	0	0	0	0
SHIMER COL	11	0	0	0	0	0	0	11	0	0	0	0	0
SOUTHEASTERN ILLINOIS COL	43	0	0	0	0	0	0	43	0	0	0	0	0
SOUTHERN ILL U-CARBONDALE	4,379	41	0	0	0	0	0	3,966	6	0	348	0	18
SOUTHW ILL U-EDWARDSVILLE	1,642	0	0	0	0	0	0	1,628	0	0	54	0	0
SPIRITUS COLL OF JUDAICA	163	0	0	0	0	0	0	163	0	0	0	0	0
SPOON RIVER COLLEGE	95	0	0	0	0	0	0	95	0	0	0	0	0
ST XAVIER COL	407	0	0	0	0	0	0	407	0	0	0	0	0
THORNTON COMMUNITY COL	140	0	0	0	0	0	0	140	0	0	0	0	0
TOLLENTINE COL	22	0	0	0	0	0	0	22	0	0	0	0	0
TRINITY CHRISTIAN COL	67	0	0	0	0	0	0	67	0	0	0	0	0
TRINITY COL	201	0	0	0	0	0	0	201	0	0	0	0	0
TRITON COL	196	0	0	0	0	0	0	186	0	0	10	0	0
UNIV OF CHICAGO	42,369	0	4,196	158	964	0	84	25,103	0	2,405	8,842	0	177
UNIV OF ILL GEN SYS	115	0	0	0	12	0	0	90	1	0	12	0	0
UNIV OF ILLINOIS-CMGO CTR	3,632	0	14	0	221	0	42	2,471	0	25	459	0	0
UNIV OF ILLINOIS-MED CTR	13,111	0	0	0	0	0	0	13,093	0	0	18	0	0
UNIV OF ILLINOIS-URBANA	42,433	6,910	3,564	55	6,432	48	733	11,427	339	1,053	11,056	238	144
WABASH VALLEY COL	95	0	0	0	0	0	0	95	0	0	0	0	0
WAUROMSEE COMMUNITY COL	92	0	0	0	0	0	0	92	0	0	0	0	0
WESTERN ILLINOIS UNIV	914	0	0	0	0	0	12	900	0	0	42	0	0
WHEATON COL	64	0	0	0	0	0	0	64	0	0	0	0	0
WILLIAM RAINY HARPER COL	169	0	0	0	0	0	0	156	0	0	13	0	0
INDIANA, TOTAL	81,814	5,669	2,562	269	2,741	89	460	48,868	526	1,941	15,462	1,507	940
ANCILLA DOMINI COL	3	0	0	0	0	0	0	3	0	0	0	0	0
ANDERSON COL	461	0	0	0	0	0	0	450	0	0	11	0	0
BALL STATE UNIV	2,713	0	0	0	0	0	0	2,530	0	0	183	0	0
BETHEL COL	60	0	0	0	0	0	0	60	0	0	0	0	0
BUTLER UNIV	127	0	0	0	0	0	0	127	0	0	0	0	0
CHRISTIAN THEOL SEM	190	0	0	0	0	0	0	190	0	0	0	0	0
CONDODOTA SENIOR COL	49	0	0	0	0	0	0	49	0	0	0	0	0
DEPAUM UNIV	166	0	0	0	0	0	0	165	0	0	101	0	0
EARLHAM COL	398	0	0	0	0	0	0	354	0	0	34	0	0
FORT WAYNE ART INSTITUTE	24	0	0	0	0	0	0	24	0	0	0	0	0
FORT WAYNE HINLE COL	68	0	0	0	0	0	0	68	0	0	0	0	0
FRANKLIN COL	136	0	0	0	0	0	0	136	0	0	0	0	0
GOSHEN COL	472	0	0	0	0	0	0	472	0	0	0	0	0
GRACE THEOL SEM	205	0	0	0	0	0	0	205	0	0	0	0	0
HANDOVER COL	3	0	0	0	0	0	0	3	0	0	0	0	0
HOLY CROSS JR COL	21	0	0	0	0	0	0	21	0	0	3	0	0
HUNTINGTON COL	158	0	0	0	0	0	0	158	0	0	0	0	0
IND UNIV GEN SYS	1,229	0	0	0	0	0	0	1,217	0	0	0	0	12
INDIANA CENTRAL COL	107	0	0	0	0	0	0	107	0	0	0	0	0
INDIANA INST OF TECH	500	0	0	0	0	0	0	498	0	0	2	0	0
INDIANA STATE UNIV	2,885	15	0	113	0	0	21	2,671	0	0	65	0	0
INDIANA U REG CAM SYS OFF	570	0	0	0	0	0	0	570	0	0	0	0	0
INDIANA UNIV-BLOOMINGTON	17,573	0	177	0	351	29	136	11,135	83	488	5,058	0	116
INDIANA UNIV-INDIANAPOLIS	13,730	0	0	0	0	0	0	12,231	0	0	192	1,307	0
MANCHESTER COL	336	0	0	0	0	0	0	214	0	0	122	0	0
MARIAN COL	246	0	0	0	0	0	0	246	0	0	0	0	0
MARIAN COL	345	0	0	0	0	0	0	345	0	0	0	0	0
OAKLAND CITY COL	103	0	0	0	0	0	0	103	0	0	0	0	0
PURDUE UNIV	27,895	5,654	1,145	137	2,025	60	160	8,562	348	1,438	7,173	200	812
ROSE-HULMAN INST OF TECH	130	0	0	0	0	0	0	101	0	5	24	0	0
ST FRANCIS COL	146	0	0	0	0	0	0	146	0	0	0	0	0
ST JOSEPHS COL	345	0	0	0	0	0	0	343	0	0	2	0	0
ST MARY-OF-THE-WOODS COL	64	0	0	0	0	0	0	64	0	0	0	0	0
ST MARYS COL	93	0	0	0	0	0	0	91	0	0	2	0	0
ST WEINRAD COL	54	0	0	0	0	0	0	54	0	0	0	0	0
ST WEINRAD SCH - THEOLOGY	15	0	0	0	0	0	0	15	0	0	0	0	0
TAYLOR UNIV	161	0	0	0	0	0	0	159	0	0	2	0	0
TRI-ST COL	102	0	0	0	0	0	0	102	0	0	0	0	0
UNIV OF EVANSVILLE	1,741	0	0	0	0	0	0	1,733	0	0	8	0	0
UNIV OF NOTRE DAME	5,424	0	1,240	19	364	0	123	1,895	95	10	2,162	0	0
VALPARAISO UNIV	415	0	0	0	0	0	0	399	0	0	16	0	0

TABLE B-28
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	OEI	EPA	HEW	IAT	NASA	NSF	DOT	OTHER*
INDIANA													
VINCENNES UNIV	729	0	0	0	0	0	0	729	0	0	0	0	0
443ASH COL	15	0	0	0	0	0	0	14	0	0	2	0	0
IOWA, TOTAL	49,930	5,646	207	22	765	0	202	36,561	426	1,429	3,724	303	265
AMER INST OF BUSINESS	36	0	0	0	0	0	0	36	0	0	0	0	0
AREA SIX COMMUNITY COL	440	0	0	0	0	0	0	440	0	0	0	0	0
BRIAR CLIFF COL	507	0	0	0	0	0	0	507	0	0	0	0	0
BUENA VISTA COL	224	0	0	0	0	0	0	226	0	0	2	0	0
CENTRAL COL	971	0	0	0	0	0	0	967	0	0	4	0	0
CLARK COL	70	0	0	0	0	0	0	37	0	0	33	0	0
COE COL	191	0	0	0	0	0	0	184	0	0	7	0	0
COL OF OSTEOPATH MED SURG	1,107	0	0	0	0	0	0	1,107	0	0	0	0	0
CORNELL COL	102	0	0	0	0	0	0	89	0	0	13	0	0
DES MOINES AREA CC-ANKENY	374	0	0	0	0	0	0	378	0	0	0	0	0
DIVINE WORD COL	30	0	0	0	0	0	0	30	0	0	0	0	0
DORDT COL	320	0	0	0	0	0	0	317	0	0	3	0	0
DRAKE UNIV	1,205	0	0	0	0	0	25	996	0	0	184	0	0
EASTERN IOWA COMM COL	159	0	0	0	0	0	0	159	0	0	0	0	0
GRACELAND COL	328	0	0	0	0	0	0	328	0	0	0	0	0
GRAND VIEW COL	48	0	0	0	0	0	0	48	0	0	0	0	0
GRINNELL COL	88	0	0	0	0	0	0	65	0	0	23	0	0
HAWKEYE INST OF TECH	49	0	0	0	0	0	0	49	0	0	0	0	0
INDIAN HILLS COMMUNITY CO	10	0	0	0	0	0	0	10	0	0	0	0	0
IOWA CENTRAL COMM COL	106	0	0	0	0	0	0	106	0	0	0	0	0
IOWA LAKES COMMUNITY COL	140	0	0	0	0	0	0	140	0	0	0	0	0
IOWA ST U OF SCIENCE/TECH	12,275	5,675	155	6	174	0	95	3,814	245	60	1,955	192	0
IOWA WESLEYAN COL	197	0	0	0	0	0	0	197	0	0	0	0	0
IOWA WESTERN COMM COL	236	0	0	0	0	0	0	236	0	0	0	0	0
KIRKWOOD COMMUNITY COLL	309	0	0	0	0	0	0	227	0	0	0	0	0
LORAS COL	202	0	0	0	0	0	0	202	0	0	0	0	0
LUTHER COL	649	0	0	0	0	0	0	648	0	0	41	0	0
MARYCREST COL	192	0	0	0	0	0	0	192	0	0	0	0	0
MORNINGSIDE COL	309	0	0	0	0	0	0	309	0	0	0	0	0
MT MERCY COL	330	0	0	0	0	0	0	330	0	0	0	0	0
MT ST CLARE COL	12	0	0	0	0	0	0	32	0	0	0	0	0
NE IOWA AREA VOC-TECH SCH	76	0	0	0	0	0	0	76	0	0	0	0	0
NORTH IOWA AREA COMM COL	179	0	0	0	0	0	0	179	0	0	0	0	0
NORTHWESTERN COL	255	0	0	0	0	0	0	255	0	0	0	0	0
NW IOWA VOCATIONAL SCHOOL	52	0	0	0	0	0	0	52	0	0	0	0	0
OTTUMWA HEIGHTS COL	247	0	0	0	0	0	0	247	0	0	0	0	0
PALMER JR COL	7	0	0	0	0	0	0	7	0	0	0	0	0
PARSONS COL	175	0	0	0	0	0	0	175	0	0	0	0	0
SIMPSON COL	211	0	0	0	0	0	0	172	0	0	39	0	0
SOUTHEASTERN CMTY COLLEGE	263	0	0	0	0	0	0	263	0	0	0	0	0
SOUTHWESTERN COMM COLLEGE	49	0	0	0	0	0	0	49	0	0	0	0	0
ST ANAHOSE COL	107	0	0	0	0	0	0	107	0	0	0	0	0
UNIV OF DUQUOUE	116	0	0	0	0	0	0	116	0	0	0	0	0
UNIV OF IOWA	24,864	11	52	16	641	0	0	20,417	141	1,769	1,441	111	265
UNIV OF NORTHERN IOWA	935	0	0	0	0	0	0	878	0	0	57	0	0
UPPER IOWA UNIV	246	0	0	0	0	0	0	246	0	0	0	0	0
VENNARD COL	84	0	0	0	0	0	0	84	0	0	0	0	0
WALDOPE COL	135	0	0	0	0	0	0	135	0	0	0	0	0
WARTRURG COL	234	0	0	0	0	0	0	226	0	0	12	0	0
WARTRURG THEOL SEM	5	0	0	0	0	0	0	5	0	0	0	0	0
WESTMAR COL	295	0	0	0	0	0	0	295	0	0	0	0	0
WILLIAM PENN COL	127	0	0	0	0	0	0	127	0	0	0	0	0
KANSAS, TOTAL	41,020	3,819	677	10	510	0	72	31,502	222	520	3,174	4	206
ALLEN COUNTY COMM JR COL	45	0	0	0	0	0	0	45	0	0	0	0	0
BAKER UNIV	52	0	0	0	0	0	0	52	0	0	0	0	0
BARTON CMTY COMM JR COL	95	0	0	0	0	0	0	95	0	0	0	0	0
BENEDICTINE COLLEGE	63	0	0	0	0	0	0	43	0	0	20	0	0
BETHANY COL	57	0	0	0	0	0	0	54	0	0	3	0	0
BETHEL COL	361	0	0	0	0	0	0	361	0	0	0	0	0
BUTLER COUNTY COMM JR COL	91	0	0	0	0	0	0	91	0	0	0	0	0
CENTRAL COL	69	0	0	0	0	0	0	69	0	0	0	0	0
CLOUD COUNTY COMM JR COL	85	0	0	0	0	0	0	85	0	0	0	0	0
COFFEYVILLE COMM JR COL	91	0	0	0	0	0	0	91	0	0	0	0	0
COL OF EMPORIA	43	0	0	0	0	0	0	43	0	0	0	0	0
COLBY COMM JR COL	91	0	0	0	0	0	0	91	0	0	0	0	0
COWLEY COUNTY COMM JR COL	27	0	0	0	0	0	0	27	0	0	0	0	0
DODGE CITY COMM JR COL	245	0	0	0	0	0	0	245	0	0	0	0	0
DONNELLY COL	104	0	0	0	0	0	0	104	0	0	0	0	0
FORT HAYS KANSAS ST COL	1,014	0	0	0	0	0	0	946	0	0	24	0	0
FORT SCOTT COMM JR COL	139	0	0	0	0	0	0	139	0	0	0	0	0
FRIENDS HIGLE COL	32	0	0	0	0	0	0	32	0	0	0	0	0

TABLE B-28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOJ	DOE	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
KANSAS													
FRIENDS UNIV	162	0	0	0	0	0	0	162	0	0	0	0	0
GARDEN CITY COMM JR COL	45	0	0	0	0	0	0	45	0	0	0	0	0
MESSTON COL	99	0	0	0	0	0	0	99	0	0	0	0	0
HIGHLAND COMM JR COL	18	0	0	0	0	0	0	18	0	0	0	0	0
HUTCHINSON COMM JR COL	231	0	0	0	0	0	0	231	0	0	0	0	0
INDEPENDENCE COMM JR COL	46	0	0	0	0	0	0	46	0	0	0	0	0
JOHNSON CO COMMUNITY COLL	430	0	0	0	0	0	0	430	0	0	0	0	0
KANS CITY KANS COM JR COL	153	0	0	0	0	0	0	153	0	0	0	0	0
KANS ST COL OF PITTSBURG	797	0	0	0	0	0	0	657	0	0	130	0	0
KANSAS STATE TCHRS COL	1,234	0	0	0	0	0	0	1,092	0	0	142	0	0
KANSAS STATE UNIV	9,240	3,819	476	0	256	0	72	3,364	222	23	918	4	106
KANSAS TECHNICAL INST	34	0	0	0	0	0	0	34	0	0	0	0	0
KANSAS WESLEYAN	130	0	0	0	0	0	0	136	0	0	2	0	0
LABETTE COMM JR COL	22	0	0	0	0	0	0	22	0	0	0	0	0
MANHATTAN CHRISTIAN COL	51	0	0	0	0	0	0	61	0	0	0	0	0
MARYMOUNT COL	440	0	0	0	0	0	0	480	0	0	0	0	0
MCPHERSON COL	72	0	0	0	0	0	0	72	0	0	0	0	0
MID-AMERICAN NAZARENE COL	75	0	0	0	0	0	0	75	0	0	0	0	0
MILTON VALE WESLEYAN COL	6	0	0	0	0	0	0	6	0	0	0	0	0
NEOSHO COUNTY COMM JR COL	36	0	0	0	0	0	0	36	0	0	0	0	0
OTTAWA UNIV	254	0	0	0	0	0	0	256	0	0	2	0	0
PRATT COMM JR COL	45	0	0	0	0	0	0	45	0	0	0	0	0
SACRED HEART COL	311	0	0	0	0	0	0	311	0	0	0	0	0
SEWARD CO COMMUNITY JR COL	114	0	0	0	0	0	0	118	0	0	0	0	0
SOUTHWESTERN COL	291	0	0	0	0	0	0	291	0	0	0	0	0
ST JOHNS COL	5	0	0	0	0	0	0	5	0	0	0	0	0
ST MARY COL	111	0	0	0	0	0	0	111	0	0	0	0	0
ST MARY OF THE PLAINS COL	44	0	0	0	0	0	0	44	0	0	0	0	0
STERLING COL	141	0	0	0	0	0	0	141	0	0	0	0	0
TABOR COL	105	0	0	0	0	0	0	105	0	0	0	0	0
UNIV OF KANSAS	21,113	0	186	0	154	0	0	17,997	0	794	1,982	0	0
WASHBURN UNIV OF TOPEKA	363	0	0	0	0	0	0	351	0	0	12	0	0
WICHITA STATE UNIV	1,978	0	15	10	100	0	0	1,791	0	3	39	0	20
KENTUCKY, TOTAL													
ALICE LLOYD COL	954	0	0	0	0	0	0	954	0	0	0	0	0
ASBURY COL	124	0	0	0	0	0	0	96	0	0	28	0	0
ASBURY THEOL SEM	40	0	0	0	0	0	0	40	0	0	0	0	0
BELLAPINE-URSULINE COL	463	0	0	0	0	0	0	454	0	0	9	0	0
Berea COL	485	0	0	0	0	0	0	471	0	0	14	0	0
BRESCIA COL	103	0	0	0	0	0	0	103	0	0	0	0	0
CAMPBELLVILLE COL	279	0	0	0	0	0	0	279	0	0	0	0	0
CENTRE COL OF KENTUCKY	142	0	0	0	0	0	0	157	0	0	25	0	0
CUMBERLAND COL	510	0	0	0	0	0	0	510	0	0	0	0	0
EASTERN KENTUCKY UNIV	1,794	0	0	0	0	0	0	1,734	0	0	40	0	0
GEORGETOWN COL	166	0	0	0	0	0	0	160	0	0	6	0	0
KENTUCKY CHRISTIAN COL	102	0	0	0	0	0	0	102	0	0	0	0	0
KENTUCKY STATE COL	1,443	854	0	0	0	0	0	1,016	0	0	9	0	0
KENTUCKY WESLEYAN COL	136	0	0	0	0	0	0	136	0	0	0	0	0
LEES JR COL	778	0	0	0	0	0	0	778	0	0	0	0	0
LINDSEY WILSON COL	57	0	0	0	0	0	0	57	0	0	0	0	0
LOUISVILLE PRES THEOL SEM	29	0	0	0	0	0	0	29	0	0	0	0	0
MIDWAY JR COL	314	0	0	0	0	0	0	314	0	0	0	0	0
MOREHEAD STATE UNIV	2,169	0	3	0	0	0	0	2,166	0	0	60	0	0
MURRAY STATE UNIV	1,052	0	0	0	0	0	0	1,003	0	0	59	0	0
PIKEVILLE COL	149	0	0	0	0	0	0	189	0	0	0	0	0
SEMINARY OF ST PIUS X	17	0	0	0	0	0	0	17	0	0	0	0	0
SOUTHEASTN CHRISTIAN COL	26	0	0	0	0	0	0	26	0	0	0	0	0
SPALDING COLLEGE	362	0	0	0	0	0	0	362	0	0	0	0	0
ST CATHERINE COL	61	0	0	0	0	0	0	61	0	0	0	0	0
SUE BENNETT COL	64	0	0	0	0	0	0	64	0	0	0	0	0
THOMAS MORE COL	250	0	0	0	0	0	0	202	0	0	48	0	0
TRANSYLVANIA UNIVERSITY	41	0	0	0	0	0	0	41	0	0	0	0	0
UNION COL	330	0	0	0	0	0	0	330	0	0	0	0	0
UNIV OF KENTUCKY	21,046	7,616	17	0	172	0	17	11,751	242	521	610	104	0
UNIV OF LOUISVILLE	4,419	0	0	0	123	0	0	5,962	0	19	315	0	0
WESTERN KENTUCKY UNIV	1,726	0	0	0	0	0	0	1,579	0	0	147	0	0
LOUISIANA, TOTAL													
CENTENARY COLL OF LOUIS	284	0	0	0	0	0	0	284	0	0	0	0	0
DELGADO VOC TECH JR COLL	819	0	0	0	0	0	0	828	0	0	11	0	0
DILLARD UNIV	1,175	0	0	0	0	0	0	1,170	0	0	5	0	0
GRAMBLING COL	3,402	0	24	0	0	0	0	2,447	0	47	444	0	0
LA ST UNIV MED CTR N ORLEANS	5,208	0	0	0	2	0	0	5,183	0	0	23	0	0
LA ST UNIV BATON ROUGE	11,392	5,668	112	721	777	0	243	2,248	100	166	1,157	0	0
LA ST UNIV NEW ORLEANS	1,794	0	10	0	25	0	22	1,660	0	72	205	0	0

TABLE B-28
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	HEC	CON	OSD	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER
LOUISIANA													
LOUISIANA COL	92	0	0	0	0	0	0	92	0	0	0	0	0
LOUISIANA TECH UNIVERSITY	1,372	0	0	0	0	0	0	1,239	0	0	0	0	0
LOYOLA UNIV	793	0	0	0	0	0	0	661	0	0	127	0	0
LSU CENTRAL SYSTEM	1,020	0	0	0	0	0	0	960	19	0	15	0	0
MCNEESE STATE UNIVERSITY	400	0	0	0	0	0	0	364	0	0	36	0	0
NICHOLLS STATE UNIVERSITY	493	0	0	0	0	0	0	457	0	0	36	0	0
NORTHEAST LOUISIANA UNIV	2,355	0	0	0	0	0	0	2,319	0	0	36	0	0
NORTHWESTERN ST UNIV-LA	1,013	0	0	0	0	0	0	966	0	0	47	0	0
NOTRE DAME SEM	74	0	0	0	0	0	0	74	0	0	0	0	0
OUR LADY HOLY CROSS COL	12	0	0	0	0	0	0	12	0	0	0	0	0
SAINT BERNARD PARISH CO	24	0	0	0	0	0	0	24	0	0	0	0	0
SOUTHEASTERN LA UNIV	461	0	0	0	0	0	0	452	0	0	9	0	0
SOUTHERN UNIV	5,931	274	65	0	33	0	0	4,062	0	55	493	115	500
ST JOSEPH SEM	27	0	0	0	0	0	0	27	0	0	0	0	0
ST MARYS DOMINICAN COL	24	0	0	0	0	0	0	24	0	0	0	0	0
TULANE UNIV	14,791	0	20	0	233	51	24	13,467	0	194	602	39	0
UNIV OF SOUTHWESTERN LA	1,440	0	0	0	0	0	0	1,425	0	0	15	0	0
UNIV OF LOUISIANA	7,201	0	0	0	0	0	0	2,774	0	0	422	0	0
MAINE, TOTAL	4,877	1,957	1	198	24	0	77	5,665	107	0	833	0	0
BATES COL	52	0	0	0	0	0	0	52	0	0	0	0	0
BOWDOIN COL	443	0	0	0	0	0	0	385	0	0	294	0	0
COLBY COL	154	0	0	0	0	0	0	72	0	0	82	0	0
MUSKOGEE COL	44	0	0	0	0	0	0	66	0	0	0	0	0
MAINE MARITIME ACADEMY	170	0	0	0	0	0	0	170	0	0	0	0	0
MASSON COL	41	0	0	0	0	0	0	41	0	0	0	0	0
NORTHERN CONSERV OF MUSIC	1	0	0	0	0	0	0	1	0	0	0	0	0
RICKER COL	34	0	0	0	0	0	0	34	0	0	0	0	0
SOUTHERN ME VSC TECH INST	74	0	0	0	0	0	0	74	0	0	0	0	0
ST FRANCIS COL	71	0	0	0	0	0	0	71	0	0	0	0	0
ST JOSEPHS COL	37	0	0	0	0	0	0	37	0	0	0	0	0
THOMAS COL	87	0	0	0	0	0	0	87	0	0	0	0	0
U OF ME-PORTLAND-GORHAM	1,246	0	0	198	0	0	32	1,018	0	0	0	0	0
UNIV COLLEGE	41	0	0	0	0	0	0	41	0	0	0	0	0
UNIV MAINE, PISCATAWAY ISL	174	0	0	0	0	0	0	174	0	0	0	0	0
UNIV OF MAINE CEN SYS	623	0	0	0	0	0	0	595	0	0	28	0	0
UNIV OF MAINE ORONO	4,684	1,957	1	0	24	0	45	2,079	107	0	377	0	0
UNIV OF MAINE-AUGUSTA	83	0	0	0	0	0	0	83	0	0	0	0	0
UNIV OF MAINE, FARMINGTON	395	0	0	0	0	0	0	357	0	0	38	0	0
UNIV OF MAINE, FORT KENT	72	0	0	0	0	0	0	72	0	0	0	0	0
UNIV OF MAINE, HACHIAS	73	0	0	0	0	0	0	73	0	0	0	0	0
UNIVERSITY OF ME-ANGOR	46	0	0	0	0	0	0	46	0	0	0	0	0
WESTBROOK COLLEGE	49	0	0	0	0	0	0	41	0	0	8	0	0
MARYLAND, TOTAL	96,660	3,312	3,014	339	3,441	1,103	183	67,410	150	5,252	6,494	0	2,750
ALLEGANY COMM COL	166	0	0	0	0	0	0	167	0	0	0	0	0
ANNE ARUNDEL COMM COL	75	0	0	0	0	0	0	75	0	0	0	0	0
BALTIMORE COL OF COMMERCE	12	0	0	0	0	0	0	32	0	0	0	0	0
BOWIE STATE COL	497	0	0	0	0	0	0	449	0	39	9	0	0
CAPITOL INST OF TECH	15	0	0	0	0	0	0	15	0	0	0	0	0
CATONSVILLE COMM COL	79	0	0	0	0	0	0	157	0	0	12	0	0
CECIL COMMUNITY COLLEGE	90	0	0	0	0	0	0	92	0	0	0	0	0
CHARLES COUNTY COMM COL	212	0	0	0	0	0	0	34	0	0	114	0	0
CHESAPEAKE COLLEGE	90	0	0	0	0	0	0	72	0	0	18	0	0
COL OF NOTRE DAME OF MD	17	0	0	0	0	0	0	17	0	0	0	0	0
COLUMBIA UNION COL	200	0	0	0	0	0	0	182	0	18	0	0	0
COMM COL OF BALTIMORE	752	0	0	0	0	0	0	752	0	0	0	0	0
COPPIN STATE COL	2,347	0	0	0	0	0	0	2,347	0	0	0	0	0
ESSER COMM COL	99	0	0	0	0	0	0	95	0	0	0	0	0
FREDERICK COMM COL	18	0	0	0	0	0	0	18	0	0	0	0	0
FROSTBURG STATE COL	256	0	0	0	0	0	0	274	0	0	0	0	0
GOUCHER COL	112	0	0	0	0	0	0	82	0	0	30	0	0
HAGERSTOWN JR COL	100	0	0	0	0	0	0	100	0	0	0	0	0
HARFORD COMMUNITY COLLEGE	175	0	0	0	0	0	0	158	0	0	17	0	0
HOOD COL	36	0	0	0	0	0	0	34	0	0	0	0	0
HOWARD CNTY CNTY COLLEGE	229	0	0	0	0	0	0	229	0	0	0	0	0
JOHNS HOPKINS UNIV	54,581	0	1,022	254	1,731	1,145	84	41,680	0	2,803	3,211	0	2,750
KIRKLAND HALL COLLEGE	14	0	0	0	0	0	0	14	0	0	0	0	0
LOYOLA COL	359	0	0	0	10	0	0	347	0	0	2	0	0
MARYLAND INST COL OF ART	112	0	0	0	0	0	0	112	0	0	0	0	0
MONTGOMERY COL-ROCKVILLE	433	0	0	0	0	0	0	433	0	0	0	0	0
MORGAN STATE COL	1,521	0	0	0	0	0	0	1,273	0	35	218	0	0
MT PROVIDENCE JR COL	4	0	0	0	0	0	0	4	0	0	0	0	0
MT ST AGNES COL	1	0	0	0	0	0	0	1	0	0	0	0	0
MT ST MARYS COL	49	0	0	0	0	0	0	74	0	0	2	0	0
NEW ISRAEL HEBREW COL	116	0	0	0	0	0	0	116	0	0	0	0	0

TABLE B-28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOO	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
MARYLAND													
PEABODY CONSERV OF HISTC	17	0	0	0	0	0	0	17	0	0	0	0	0
PRINCE GEORGES COMM COL	756	0	0	0	0	0	0	246	0	0	0	0	0
SALISBURY STATE COL	54	0	0	0	0	0	0	54	0	0	0	0	0
ST JOHNS COL	29	0	0	0	0	0	0	29	0	0	0	0	0
ST JOSEPH COL	195	0	0	0	0	0	0	193	0	0	2	0	0
ST MARYS COL OF MD	70	0	0	0	0	0	0	46	0	0	0	0	0
ST MARYS SEM & UNIV	11	0	0	0	0	0	0	11	0	0	0	0	0
TOWSON STATE COL	395	0	0	0	0	0	0	393	0	0	2	0	0
UNIV OF BALTIMORE	144	0	0	0	0	0	0	144	0	0	0	0	0
UNIV OF MARYLAND GEN SYS	17	0	0	0	17	0	0	0	0	0	0	0	0
UNIV OF MD COLLEGE PARK	17,764	2,815	1,992	95	1,111	237	15	4,395	148	176	4,668	0	0
UNIV OF MD, BALT CNTRY	326	0	0	0	6	0	0	216	0	0	104	0	0
UNIV OF MD, BALTIMORE	12,079	0	0	0	966	0	0	11,057	0	48	4	0	0
UNIV OF MD, ESTERN SHORE	1,178	407	0	0	0	0	0	633	0	46	2	0	0
VILLA JULIE COL	120	0	0	0	0	0	0	120	0	0	0	0	0
WASH HYVLE COL	14	0	0	0	0	0	0	14	0	0	0	0	0
WASHINGTON COL	54	0	0	0	0	0	0	44	0	0	0	0	0
WESTERN MARYLAND COL	145	0	0	0	0	0	0	136	0	0	9	0	0
MASSACHUSETTS, TOTAL	244,193	2,676	10,496	1,729	63,645	1,211	1,668	130,693	538	25,265	46,044	2,196	2,187
AMERICAN INTL COL	195	0	0	0	0	0	0	190	0	0	5	0	0
AMHERST COL	714	0	0	0	0	0	30	525	0	0	163	0	0
ANDOVER NEWTON THEOL SCH	109	0	0	0	0	0	0	109	0	0	0	0	0
ANNA MARIA COL FOR WOMEN	52	0	0	0	0	0	0	52	0	0	0	0	0
AQUINAS JR COL OF BUS	26	0	0	0	0	0	0	26	0	0	0	0	0
ASSUMPTION COL	268	0	0	0	0	0	0	268	0	0	0	0	0
ATLANTIC UNION COL	231	0	0	0	0	0	0	231	0	0	0	0	0
BABSON COLLEGE	32	0	0	0	0	0	0	32	0	0	0	0	0
BAY PATH JR COL	50	0	0	0	0	0	0	50	0	0	0	0	0
BAY STATE JR COL BUSINESS	10	0	0	0	0	0	0	10	0	0	0	0	0
BECKER JR COL	10	0	0	0	0	0	0	10	0	0	0	0	0
BENTLEY COLLEGE	323	0	0	0	0	0	0	323	0	0	0	0	0
BERKLEE COLLEGE OF MUSIC	237	0	0	0	0	0	0	237	0	0	0	0	0
BERKSHIRE CHRISTIAN COL	42	0	0	0	0	0	0	42	0	0	0	0	0
BERKSHIRE COMM COL	140	0	0	0	0	0	0	140	0	0	0	0	0
BOSTON ARCHITECTURAL CTR	27	0	0	0	0	0	0	0	0	0	27	0	0
BOSTON COL	6,450	0	47	13	1,150	0	0	4,987	0	0	354	0	4
BOSTON STATE COLLEGE	1,656	0	0	0	0	0	0	1,643	0	0	13	0	0
BOSTON UNIV	70,478	0	0	0	413	0	0	19,594	0	97	193	20	1
BRANDS UNIV	5,553	0	248	0	117	0	0	4,065	0	0	1,054	0	75
BRIDGEWATER STATE COLLEGE	724	0	0	0	0	0	0	253	0	0	71	0	0
BRISTOL COMM COL	650	0	0	0	0	0	0	650	0	0	0	0	0
BRYANSTRATTON JC-BUS	130	0	0	0	0	0	0	130	0	0	0	0	0
CAMBRIDGE JR COL	9	0	0	0	0	0	0	9	0	0	0	0	0
CAPE COD COMM COL	134	0	0	0	0	0	0	134	0	0	0	0	0
CARDINAL CUSHING COL	19	0	0	0	0	0	0	19	0	0	0	0	0
CLARK UNIV	1,396	2	49	0	0	0	0	1,205	10	12	114	0	0
COL OF OUR LADY OF FLMS	154	0	0	0	0	0	0	153	0	1	0	0	0
COL OF THE HOLY CROSS	433	0	0	0	0	0	0	354	0	0	79	0	0
CURRY COL	38	0	0	0	0	0	0	38	0	0	0	0	0
DEAN JR COL	46	0	0	0	0	0	0	46	0	0	0	0	0
EASTERN NAZARENE COL	493	0	0	0	0	0	0	454	0	0	39	0	0
EMERSON COL	545	0	0	0	0	0	0	542	0	0	3	0	0
EMMANUEL COL	578	0	0	0	140	0	0	284	0	0	14	0	0
EPISCOPAL THEOL SCHOOL	11	0	0	0	0	0	0	11	0	0	0	0	0
FISHER JR COL	10	0	0	0	0	0	0	10	0	0	0	0	0
FITCHBURG STATE COLLEGE	118	0	0	0	0	0	0	118	0	0	0	0	0
FORSYTH SCH BENT HYGNYS	9	0	0	0	0	0	0	9	0	0	0	0	0
FRAMINGHAM STATE COLLEGE	137	0	0	0	0	0	0	124	0	0	9	0	0
GARLAND JR COL	19	0	0	0	0	0	0	19	0	0	0	0	0
GORDON COL	117	0	0	0	0	0	0	113	0	0	4	0	0
GORDON-CONNELL THEO. SEM	18	0	0	0	0	0	0	18	0	0	0	0	0
GRAHAM JR COL	157	0	0	0	0	0	0	157	0	0	0	0	0
GREENFIELD COMM COL	115	0	0	0	0	0	0	115	0	0	0	0	0
HAMPSHIRE COLLEGE	313	0	0	0	0	0	0	253	0	0	60	0	0
HARVARD UNIV	49,372	26	1,434	95	2,474	582	493	45,075	0	4,487	9,181	165	661
HERREW TOWNS COL	13	0	0	0	0	0	0	13	0	0	0	0	0
HELLENIC COL	61	0	0	0	0	0	0	61	0	0	0	0	0
HOLYOKE COMM COL	71	0	0	0	0	0	0	71	0	0	0	0	0
LASELL JR COL	59	0	0	0	0	0	0	59	0	0	0	0	0
LEICESTER JR COL	33	0	0	0	0	0	0	33	0	0	0	0	0
LESLEY COL	81	0	0	0	0	0	0	81	0	0	0	0	0
LOWELL STATE COLLEGE	273	0	0	0	0	0	0	271	0	0	2	0	0
LOWELL TECHNOLOGICAL INST	1,349	0	0	0	942	0	0	316	0	0	46	0	0
MAS SAYS COMM COL	181	0	0	0	0	0	0	181	0	0	0	0	0
MASS COL OF ART	97	0	0	0	0	0	0	47	0	0	0	0	0
MASS COL OF OPTOMETRY	617	0	0	0	0	0	0	617	0	0	0	0	0

TABLE B-28
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	CON	DOO	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
MASSACHUSETTS													
MASS COL OF PHARMACY	623	0	0	0	0	0	0	623	0	0	0	0	0
MASS INST OF TECH	112,472	10	7,294	1,117	46,797	0	660	14,916	275	20,049	18,957	1,413	1,185
MASS MARITIME ACAD	19	0	0	0	0	0	0	19	0	0	0	0	0
MASSACHUSETTS COMM COL	122	0	0	0	0	0	0	122	0	0	2	0	0
MERRIMACK COL	167	0	0	0	0	0	0	160	0	0	7	0	0
MIDDLESEX COMMUNITY COL	58	0	0	0	0	0	0	68	0	0	0	0	0
MOUNT IDA JR COL	27	0	0	0	0	0	0	27	0	0	0	0	0
MOUNT WACHUSETT COMM COL	111	0	0	0	0	0	0	111	0	0	0	0	0
MT HOLYOKE COL	306	0	0	0	0	0	0	269	0	0	37	0	0
NEW ENGL CONSERV OF MUSIC	13	0	0	0	0	0	0	13	0	0	0	0	0
NEW ENGLAND SCHOOL OF LAW	17	0	0	0	0	0	0	37	0	0	0	0	0
NEWTON COLLEGE	336	0	0	0	0	0	0	130	0	0	176	0	0
NEWTON JR COL	27	0	0	0	0	0	0	27	0	0	0	0	0
NICHOLS COLLEGE	50	0	0	0	0	0	0	50	0	0	0	0	0
NORTH ADAMS STATE COLLEGE	121	0	0	0	0	0	0	121	0	0	0	0	0
NORTH SHORE COMM COL	443	0	0	0	0	0	0	443	0	0	0	0	0
NORTHAMPTON JR COLLEGE	19	0	0	0	0	0	0	19	0	0	0	0	0
NORTHEASTERN UNIV	6,392	0	0	0	950	472	0	4,265	0	129	477	50	49
NORTHERN ESSEX COMM COL	243	0	0	0	0	0	0	243	0	0	0	0	0
PERRY NORMAL SCH	74	0	0	0	0	0	0	74	0	0	0	0	0
PINE HARBOR JR COL	6	0	0	0	0	0	0	6	0	0	0	0	0
QUINCY JR COL	51	0	0	0	0	0	0	51	0	0	0	0	0
QUINCY STATE COMM COL	332	0	0	0	0	0	0	332	0	0	0	0	0
RADCLIFFE COLLEGE	134	0	0	0	0	0	0	134	0	0	0	0	0
REGIS COL	519	0	0	0	248	0	0	224	0	0	12	34	0
SALEM STATE COLLEGE	640	0	0	0	0	0	0	640	0	0	0	0	0
SCH OF THE MUS FINE ARTS	48	0	0	0	0	0	0	48	0	0	0	0	0
SIMMONS COL	999	0	0	0	0	0	0	960	0	0	39	0	0
SIMON'S ROCK	1	0	0	0	0	0	0	1	0	0	0	0	0
SMITH COL	716	0	0	0	0	0	0	678	0	0	18	0	0
SOUTHEASTERN MASS UNIV	714	0	0	0	10	0	0	632	0	9	63	0	0
SPRINGFIELD COL	294	0	0	0	0	0	0	290	0	0	0	0	0
SPRINGFIELD TECH COMM COL	145	0	0	0	0	0	0	145	0	0	0	0	0
ST JOHN'S SEM	24	0	0	0	0	0	0	24	0	0	0	0	0
STEVENS COLLEGE	10	0	0	0	0	0	0	10	0	0	0	0	0
STONEHILL COL	134	0	0	0	0	0	0	134	0	0	0	0	0
SUFFOLK UNIV	345	0	0	0	0	0	0	341	0	0	44	0	0
SWAIN SCH OF DESIGN	24	0	0	0	0	0	0	24	0	0	0	0	0
TUFTS UNIV	12,905	0	315	0	319	157	0	11,599	0	27	497	0	0
U MASS MED SCH-WORCESTER	409	0	0	0	0	0	0	388	0	0	21	0	0
UNIV-MASS AMHERST CAMPUS	12,253	2,639	224	0	668	0	248	5,965	220	294	2,461	0	0
UNIV-MASS BOSTON CAMPUS	757	0	0	0	0	0	0	142	0	0	101	514	0
WELLESLEY COL	341	0	0	0	0	0	0	359	0	0	22	0	0
WENTWORTH COLLEGE OF TECH	67	0	0	0	0	0	0	67	0	0	0	0	0
WENTWORTH INST	1,594	0	0	0	1,437	0	0	140	0	0	21	0	0
WESTERN NEW ENGLAND COL	169	0	0	0	0	0	0	164	0	0	5	0	0
WESTFIELD STATE COLLEGE	322	0	0	0	0	0	0	293	0	0	29	0	0
WHEATON COL	54	0	0	0	0	0	0	47	0	0	7	0	0
WHEELOCK COL	107	0	0	0	0	0	0	107	0	0	0	0	0
WILLIAMS COL	454	0	0	15	29	0	0	167	0	0	231	0	12
WOODS HOLE OCEAN INST	19,527	0	455	449	7,545	0	145	131	0	127	10,594	0	0
WORCESTER JR COL	7	0	0	0	0	0	0	7	0	0	0	0	0
WORCESTER POLYTECH INST	1,590	0	11	0	95	0	74	265	33	0	1,080	0	0
WORCESTER STATE COLLEGE	236	0	0	0	0	0	0	236	0	0	0	0	0
MICHIGAN, TOTAL													
ADRIAN COL	67	0	0	0	0	0	0	53	0	0	14	0	0
ALBION COL	148	0	0	0	0	0	0	144	0	0	4	0	0
ALMA COL	1,065	0	0	0	0	0	0	1,048	0	0	17	0	0
ALPENA COMM COL	240	0	0	0	0	0	0	240	0	0	0	0	0
ANDREWS UNIV	111	0	0	0	0	0	0	109	0	0	2	0	0
AQUINAS COL	142	0	0	0	0	0	0	142	0	0	0	0	0
BAV OF WOC COMM COL	133	0	0	0	0	0	0	133	0	0	0	0	0
CALVIN COL	453	0	0	0	24	0	0	420	0	0	9	0	0
CENTRAL MICH UNIV	1,027	0	0	0	0	0	0	934	0	0	93	0	0
CLEARLY COL	21	0	0	0	0	0	0	21	0	0	0	0	0
CONCORDIA LUTHERAN JR COL	20	0	0	0	0	0	0	20	0	0	0	0	0
CRANFORD ACAD OF ART	59	0	0	0	0	0	0	59	0	0	0	0	0
DAVENPORT COL OF BUSINESS	157	0	0	0	0	0	0	157	0	0	0	0	0
DELTA COL	618	0	0	0	0	0	0	610	0	0	8	0	0
DETROIT COL OF BUSINESS	44	0	0	0	0	0	0	44	0	0	0	0	0
DETROIT INST OF TECH	233	0	0	0	0	0	0	233	0	0	0	0	0
DUNS SCOTUS COL	7	0	0	0	0	0	0	7	0	0	0	0	0
EASTERN MICHIGAN UNIV	2,001	0	0	0	0	0	74	1,424	0	30	69	0	0
FERRIS ST COL	1,143	0	0	0	0	0	0	1,143	0	0	0	0	0
GENESSEE COMMUNITY COLLEGE	556	0	0	0	0	0	0	616	0	0	40	0	0
GLEN OAKS COMM COL	119	0	0	0	0	0	0	119	0	0	0	0	0

TABLE B-28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	SEC	CON	EDD	OEI	EPA	HEW	INT	NSA	NSF	DOT	OTHER*
MICHIGAN													
GOSWICK COMM COL	164	0	0	0	0	0	0	164	0	0	0	0	0
GRAND RAPIDS BAPT COL	37	0	0	0	0	0	0	37	0	0	0	0	0
GRAND RAPIDS JR COL	418	0	0	0	0	0	0	418	0	0	2	0	0
GRAND VALLEY STATE COL	1,079	0	0	0	0	0	0	1,079	0	0	9	0	0
HENRY FORD COMM COL	151	0	0	0	0	0	0	151	0	0	0	0	0
HIGHLAND PARK COLLEGE	590	0	0	0	0	0	0	590	0	0	0	0	0
HILLSDALE COL	74	0	0	0	0	0	0	74	0	0	0	0	0
HOPE COL	627	0	0	0	0	0	14	316	0	0	277	0	0
JACKSON COMM COL	334	0	0	0	0	0	0	334	0	0	0	0	0
KALAMAZOO COL	202	0	0	0	0	0	0	193	0	0	9	0	0
KALAMAZOO VALLEY COMM COL	44	0	0	0	0	0	0	44	0	0	0	0	0
KELLOGG COMM COL	134	0	0	0	0	0	0	134	0	0	0	0	0
KIRTLAND COMM COL	51	0	0	0	0	0	0	51	0	0	0	0	0
LAKE MICHIGAN COL	217	0	0	0	0	0	0	217	0	0	0	0	0
LAKE SUPERIOR STATE COL	1,159	0	0	0	0	0	0	1,159	0	0	2	0	0
LANSING COMM COL	562	0	0	0	0	0	0	562	0	0	0	0	0
LAWRENCE INST OF TECH	53	0	0	0	0	0	0	53	0	0	0	0	0
LACONN COUNTY COMM COL	421	0	0	0	0	0	0	421	0	0	0	0	0
MAZONNA COL	145	0	0	0	0	0	0	145	0	0	0	0	0
MARYGROVE COL	214	0	0	0	0	0	0	214	0	0	0	0	0
MERCY COL OF DETROIT	500	0	0	0	0	0	0	492	0	0	8	0	0
MERRILL-PALMER INST	23	0	0	0	0	0	0	23	0	0	0	0	0
HIGH COL OSTEOPATHIC MED	31	0	0	0	31	0	0	0	0	0	0	0	0
HIGH TECHNOLOGICAL UNIV	769	63	164	0	40	0	0	339	15	0	111	0	0
MICHIGAN CHRISTIAN JR COL	20	0	0	0	0	0	0	20	0	0	0	0	0
MICHIGAN STATE UNIV	24,349	6,393	1,594	0	164	0	419	14,164	278	321	4,478	0	150
MID-MICH COMMUNITY COL	61	0	0	0	0	0	0	61	0	0	0	0	0
MONROE COUNTY COMM COL	41	0	0	0	0	0	0	41	0	0	0	0	0
MONTICALLY COMMUNITY COL	41	0	0	0	0	0	0	41	0	0	0	0	0
MUSKEGON BUSINESS COL	11	0	0	0	0	0	0	11	0	0	0	0	0
MUSKEGON COMMUNITY COL	119	0	0	0	0	0	0	119	0	0	0	0	0
NAZARETH COL	152	0	0	0	0	0	0	150	0	0	2	0	0
NORTH CENTRAL HIGH COL	35	0	0	0	0	0	0	35	0	0	0	0	0
NORTHERN MICHIGAN UNIV	946	4	0	0	0	0	0	799	0	0	43	0	150
NORTHWESTERN HIGH COL	31	0	0	0	0	0	0	31	0	0	0	0	0
NORTHWOOD INST	119	0	0	0	0	0	0	119	0	0	0	0	0
OAKLAND COMM COL	934	0	0	0	0	0	0	901	0	0	3	0	0
OAKLAND UNIV	1,934	0	50	0	0	0	0	1,779	0	30	49	0	0
OLIVET COL	122	0	0	0	0	0	0	120	0	0	2	0	0
OMOSSO COL	112	0	0	0	0	0	0	112	0	0	0	0	0
SACRED HEART SEM	49	0	0	0	0	0	0	49	0	0	0	0	0
SAGINAW VALLEY COL	247	0	0	0	0	0	0	247	0	0	0	0	0
SCHOOLCRAFT COL	215	0	0	0	0	0	0	213	0	0	2	0	0
SHAW COLLEGE AT DETROIT	1,424	0	0	0	0	0	0	1,424	0	0	0	0	0
SIENA HEIGHTS COL	213	0	0	0	0	0	0	213	0	0	0	0	0
SOCIETY OF ARTS & CRAFTS	4	0	0	0	0	0	0	4	0	0	0	0	0
SOUTHWESTERN HIGH COL	97	0	0	0	0	0	0	96	0	0	1	0	0
SPRING ARBOR COL	79	0	0	0	0	0	0	79	0	0	0	0	0
ST CLAIR COUNTY COMM COL	344	0	0	0	0	0	0	342	0	0	2	0	0
ST MARYS COL	7	0	0	0	0	0	0	7	0	0	0	0	0
SUOMI COL	443	0	0	0	0	0	0	443	0	0	0	0	0
UNIV OF DETROIT	1,659	0	0	0	30	0	0	1,529	0	0	100	0	0
UNIV OF MICHIGAN	66,410	141	2,244	1,136	4,131	590	617	37,248	23	9,414	4,772	1,025	1,425
WALSH COL AGGREGATE ADMIN	11	0	0	0	0	0	0	11	0	0	0	0	0
WASHTENAW COMM COL	166	0	0	0	0	0	0	166	0	0	0	0	0
WAYNE COUNTY CHRY COLLEGE	1,092	0	0	0	0	0	0	1,092	0	0	0	0	0
WAYNE STATE UNIV	14,461	0	147	0	544	0	0	12,584	0	15	1,135	40	0
WEST SHORE COMMUNITY COLL	496	0	0	0	0	0	0	496	0	0	0	0	0
WESTERN HIGH UNIV	1,123	0	0	0	44	0	0	2,640	0	0	435	0	0
MINNESOTA, TOTAL													
ANCKA-RAHSEY ST JR COL	125	0	0	0	0	0	0	125	0	0	0	0	0
AUGSBURG COL	264	0	0	0	0	0	0	264	0	0	4	0	0
AUSTIN ST JUNIOR COLLEGE	142	0	0	0	0	0	0	142	0	0	0	0	0
BEHIOJI STATE COL	1,043	0	0	0	0	0	14	966	0	0	69	0	0
BETHANY LUTHERAN COL	14	0	0	0	0	0	0	14	0	0	0	0	0
BETHEL COL & SEM	124	0	0	0	0	0	0	122	0	0	2	0	0
BRAINERD ST JUNIOR COL	145	0	0	0	0	0	0	145	0	0	0	0	0
CARLETON COL	235	0	0	0	0	0	0	191	0	0	44	0	0
COL OF ST BENEDICT	655	0	0	0	0	0	0	655	0	0	0	0	0
COL OF ST CATHERINE	325	0	0	0	0	0	0	325	0	0	0	0	0
COL OF ST SCHOLASTICA	304	0	0	0	0	0	0	302	0	0	2	0	0
COL OF ST TERESA	504	0	0	0	0	0	0	348	0	0	116	0	0
COL OF ST THOMAS	251	0	0	0	0	0	0	251	0	0	0	0	0
CONCORDIA COL, MOOREHEAD	330	0	0	0	0	0	0	326	0	0	4	0	0
CONCORDIA COL, ST PAUL	103	0	0	0	0	0	0	103	0	0	0	0	0
CROSTIER SEM	14	0	0	0	0	0	0	14	0	0	0	0	0

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CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOO	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
MINNESOTA													
FERGUS FALLS STATE JR COL	48	0	0	0	0	0	0	46	0	0	2	0	0
GOLDEN VALLEY LUTHERAN COL	24	0	0	0	0	0	0	24	0	0	0	0	0
GUSTAVUS ADOLPHUS COL	231	0	0	0	0	0	0	205	0	0	26	0	0
MAHLING UNIV	944	0	0	0	0	0	0	365	0	0	179	0	0
MERRING STATE JR COLLEGE	182	0	0	0	0	0	0	182	0	0	0	0	0
EMER HILLS ST JR COLLEGE	49	0	0	0	0	0	0	40	0	0	0	0	0
ITASCO STATE JR COLLEGE	74	0	0	0	0	0	0	74	0	0	0	0	0
LAKENWOOD STATE JR COL	116	0	0	0	0	0	0	116	0	0	0	0	0
LEA COLLEGE	41	0	0	0	0	0	0	41	0	0	0	0	0
LUTHER THEOL SEM	31	0	0	0	0	0	0	31	0	0	0	0	0
MACALESTER COL	554	0	0	0	0	0	0	547	0	0	7	0	0
MAKATO STATE COL	1,154	0	0	0	0	0	0	1,069	0	0	85	0	0
MARTIN LUTHER COL	22	0	0	0	0	0	0	22	0	0	0	0	0
MESART STATE JR COL	160	0	0	0	0	0	0	160	0	0	0	0	0
METROPOLITAN ST JR COL	252	0	0	0	0	0	0	252	0	0	0	0	0
MINNEAPOLIS C-ART DESIGN	399	0	0	0	0	0	0	399	0	0	0	0	0
MOORHEAD STATE COL	756	0	0	0	0	0	0	743	0	0	13	0	0
NORHAMDAL STATE JR COL	102	0	0	0	0	0	0	100	0	0	2	0	0
NORTH CENTRAL BIBLE COL	31	0	0	0	0	0	0	31	0	0	0	0	0
NORTH HENNEPIN ST JR COL	41	0	0	0	0	0	0	41	0	0	0	0	0
NORTHLAND STATE JR COL	60	0	0	0	0	0	0	60	0	0	0	0	0
RAINY RIVER STATE JR COL	12	0	0	0	0	0	0	32	0	0	0	0	0
ROCHESTER ST JR COLL	431	0	0	0	0	0	0	431	0	0	0	0	0
SOUTHWEST MINN STATE COL	654	0	0	0	0	0	0	664	0	0	20	0	0
ST CLOUD STATE COL	1,485	1	0	0	0	0	0	1,326	0	0	74	0	0
ST JOHNS UNIV	563	0	0	0	0	0	0	563	0	0	0	0	0
ST MARYS COL	284	0	0	0	0	0	0	127	0	0	41	0	0
ST MARYS JR COL	316	0	0	0	0	0	0	308	0	0	8	0	0
ST OLAF COL	271	0	0	0	0	0	0	233	0	0	38	0	0
ST PAUL SEM	7	0	0	0	0	0	0	7	0	0	0	0	0
UNIV OF MINNESOTA	54,746	5,678	1,440	0	2,856	394	737	42,444	547	2,598	4,541	115	3,580
VERMILLION STATE JR COL	52	0	0	0	0	0	0	52	0	0	0	0	0
WILLMAR ST COMMUNITY COL	174	0	0	0	0	0	0	174	0	0	0	0	0
WINONA STATE COL	416	0	0	0	0	0	0	399	7	0	10	0	0
WORTHINGTON ST JR COLL	61	0	0	0	0	0	0	61	0	0	0	0	0
MISSISSIPPI, TOTAL	40,985	7,959	20	47	204	452	534	28,475	122	313	2,731	0	0
ALCORN AGR & MECH COL	1,990	824	0	0	0	0	0	1,115	0	0	91	0	0
BEHAVEN COL	137	0	0	0	0	0	0	137	0	0	0	0	0
BLUE MOUNTAIN COL	93	0	0	0	0	0	0	93	0	0	0	0	0
CLARKE MEMORIAL COL	8	0	0	0	0	0	0	8	0	0	0	0	0
COAHOMA JR COL	444	0	0	0	0	0	0	444	0	0	0	0	0
COPIAH-LINGOLD JR COL	52	0	0	0	0	0	0	52	0	0	0	0	0
DELTA STATE COL	944	0	0	0	0	0	0	942	0	0	46	0	0
EAST CENTRAL JR COL	19	0	0	0	0	0	0	39	0	0	0	0	0
EAST MISS JR COL	195	0	0	0	0	0	0	190	0	0	5	0	0
HINDS JR COL	284	0	0	0	0	0	0	284	0	0	0	0	0
HOLMES JR COL	143	0	0	0	0	0	0	141	0	0	2	0	0
ITAWAMBA JR COL	214	0	0	0	0	0	0	214	0	0	0	0	0
JACKSON STATE COL	2,119	0	0	0	0	0	0	2,029	0	32	58	0	0
JONES COUNTY JR COL	234	0	0	0	0	0	0	234	0	0	0	0	0
MARY HOLMES COLLEGE	1,229	0	0	0	0	452	0	766	0	0	11	0	0
MERIDIAN JR COL	544	0	0	0	0	0	0	544	0	0	0	0	0
MILLSAPS COL	290	0	0	0	0	0	0	290	0	0	0	0	0
MISS DELTA JR COL	102	0	0	0	0	0	0	102	0	0	0	0	0
MISS GLF CST JR COL JST	93	0	0	0	0	0	0	93	0	0	0	0	0
MISS ST COL FOR WOMEN	231	0	0	0	0	0	0	231	0	0	0	0	0
MISS VALLEY ST COL	1,803	0	0	0	0	0	20	1,734	0	0	49	0	0
MISSISSIPPI COL	335	0	0	0	0	0	0	319	0	0	16	0	0
MISSISSIPPI INDUS COL	144	0	0	0	0	0	0	144	0	0	0	0	0
MISSISSIPPI STATE UNIV	18,361	6,967	0	5	42	0	514	2,286	122	132	291	0	0
NATCHEZ JR COL	183	0	0	0	0	0	0	183	0	0	0	0	0
NORTHEAST MISS JR COL	259	0	0	0	0	0	0	259	0	0	0	0	0
NORTHWEST MISS JR COL	251	0	0	0	0	0	0	251	0	0	0	0	0
PEARL RIVER JR COL	133	0	0	0	0	0	0	133	0	0	0	0	0
PERKINSON COL	9	0	0	0	0	0	0	9	0	0	0	0	0
PRENTISS NORM & IND INST	247	0	0	0	0	0	0	247	0	0	0	0	0
RUST COL	2,227	0	0	0	0	0	0	1,556	0	0	571	0	0
SAINTS JR COL	16	0	0	0	0	0	0	16	0	0	0	0	0
SOUTHWEST MISS JR COL	24	0	0	0	0	0	0	24	0	0	0	0	0
TOULALOO COL	1,273	0	0	0	0	0	0	712	0	0	561	0	0
UNIV OF MISSISSIPPI	11,857	164	20	78	166	0	0	9,784	0	15	474	0	0
UNIV OF SOUTHERN MISS	2,444	0	0	12	0	0	0	2,172	0	134	130	0	0
UTICA JR COL	429	0	0	0	0	0	0	429	0	0	0	0	0
WILLIAM CAREY COL	290	0	0	0	0	0	0	284	0	0	6	0	0
WOOD JR COL	56	0	0	0	0	0	0	56	0	0	0	0	0

TABLE B-28
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOO	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
MISSOURI, TOTAL	93,458	7,108	157	26	2,356	311	162	75,915	358	1,160	5,249	190	258
AVILA COL	889	0	0	0	0	0	0	889	0	0	0	0	0
CENTRAL BIBLE COLLEGE	177	0	0	0	0	0	0	177	0	0	0	0	0
CENTRAL INST OF TECH	16	0	0	0	0	0	0	16	0	0	0	0	0
CENTRAL METHODIST COL	97	0	0	0	0	0	0	97	0	0	0	0	0
CENTRAL MO STATE COL	858	0	0	0	0	0	0	858	0	0	0	0	0
COLUMBIA COLLEGE	46	0	0	0	0	0	0	46	0	0	0	0	0
CONCORDIA SEMINARY	157	0	0	0	0	0	0	157	0	0	0	0	0
COTTEY COL	18	0	0	0	0	0	0	18	0	0	0	0	0
CROWDER COL	117	0	0	0	0	0	0	117	0	0	0	0	0
CULVER-STOCKTON COL	116	0	0	0	0	0	0	116	0	0	0	0	0
DURRY COL	177	0	0	0	0	0	0	177	0	0	0	0	0
E CENTRAL JUNIOR COLLEGE	75	0	0	0	0	0	0	75	0	0	0	0	0
EDEM THEOLOGICAL SEMINARY	26	0	0	0	0	0	0	26	0	0	0	0	0
EVANGEL COL	319	0	0	0	0	0	0	319	0	0	0	0	0
FONTRONNE COL	230	0	0	0	0	0	0	230	0	0	0	0	0
HARRIS TOWNE COL	247	0	0	0	0	0	0	247	0	0	0	0	0
IMMACULATE CONCEPTION SEM	19	0	0	0	0	0	0	19	0	0	0	0	0
JEFFERSON COL	40	0	0	0	0	0	0	40	0	0	0	0	0
KANSAS CITY ART INST	278	0	0	0	0	0	0	278	0	0	0	0	0
KANSAS CITY COL OSTED MED	1,228	0	0	0	0	0	0	1,228	0	0	0	0	0
KIRKSVILLE COL OSTED MED	1,407	0	0	0	0	0	0	1,407	0	0	0	0	0
LINCOLN UNIV	2,851	855	0	0	0	0	0	1,176	0	0	0	0	0
LINDENWOOD COL	46	0	0	0	0	0	0	37	0	0	18	0	0
LONGVIEW COMMUNITY COL	161	0	0	0	0	0	0	151	0	0	7	0	0
MAPLE WOODS COMMUNITY COL	128	0	0	0	0	0	0	128	0	0	0	0	0
MARILLAC COL	6	0	0	0	0	0	0	6	0	0	0	0	0
MARYVILLE COL SAC HEART	227	0	0	0	0	0	0	227	0	0	0	0	0
MINERAL AREA COL	216	0	0	0	0	0	0	216	0	0	0	0	0
MISSOURI BAPTIST COL	74	0	0	0	0	0	0	72	0	0	2	0	0
MISSOURI SOUTHERN COL	621	0	0	0	0	0	0	621	0	0	0	0	0
MISSOURI VALLEY COL	127	0	0	0	0	0	0	127	0	0	0	0	0
MISSOURI WESTERN COL	493	0	0	0	0	0	0	491	0	0	2	0	0
MOBERLY JR COL	17	0	0	0	0	0	0	17	0	0	0	0	0
NAZARENE THEOLOGICAL SEM	7	0	0	0	0	0	0	7	0	0	0	0	0
NORTHWEST MO ST COL	643	0	0	0	0	0	0	590	0	0	53	0	0
NORTHWEST MO STATE UNIV	723	0	0	0	0	0	0	643	0	0	80	0	0
NOTRE DAME COL	2	0	0	0	0	0	0	2	0	0	0	0	0
PARK COL	367	0	0	0	0	0	0	345	0	0	2	0	0
PENN VALLEY COMMUNITY COL	333	0	0	0	0	0	0	333	0	0	0	0	0
ROCKHURST COL	612	0	0	0	29	0	0	483	0	0	0	0	0
SCHOOL OF THE OZARKS	327	0	0	0	0	0	0	327	0	0	0	0	0
SOUTHEAST MO STATE COL	362	0	0	0	0	0	0	327	0	0	0	0	0
SOUTHWEST BAPTIST COL	369	0	0	0	0	0	0	366	0	0	15	0	0
SOUTHWEST MO STATE COL	772	0	0	0	0	0	0	727	0	0	1	0	0
ST LOUIS COL OF PHARMACY	124	0	0	0	0	0	0	124	0	0	45	0	0
ST LOUIS JR COLLEGE DIST	2,611	0	0	0	0	0	0	2,568	0	0	0	0	0
ST LOUIS UNIV	10,920	0	0	10	384	197	0	9,710	0	18	417	0	172
ST MARYS COL OF OFALLON	85	0	0	0	0	0	0	85	0	0	0	0	0
ST PAUL SCH OF THEOLOGY	19	0	0	0	0	0	0	39	0	0	0	0	0
ST PAULS COL	41	0	0	0	0	0	0	41	0	0	0	0	0
STEPHENS COL	65	0	0	0	0	0	0	65	0	0	0	0	0
TARKIO COL	228	0	0	0	0	0	0	228	0	0	0	0	0
THREE RIVERS JR COL	245	0	0	0	0	0	0	245	0	0	0	0	0
TRENTON JR COL	56	0	0	0	0	0	0	56	0	0	0	0	0
UNIV OF MISSOURI COLUMBIA	29,532	5,253	72	5	582	114	134	11,740	191	193	1,347	0	86
UNIV OF MISSOURI KAN CITY	4,247	0	0	0	61	0	0	4,185	23	29	69	0	0
UNIV OF MISSOURI ROLLA	1,740	0	19	0	154	0	4	412	145	111	391	0	0
UNIV OF MISSOURI ST LOUIS	1,820	0	0	0	54	0	0	675	0	0	101	190	0
UNIV OF MO GEN SYS	2,110	0	0	0	0	0	0	2,101	9	0	0	0	0
WASHINGTON UNIV	13,564	0	245	10	1,164	0	20	29,153	0	517	2,115	0	0
WEBSTER COL	367	0	0	0	0	0	0	367	0	0	0	0	0
WESTMINSTER COL	135	0	1	0	0	0	0	134	0	0	0	0	0
WILLIAM JEWELL COL	147	0	0	0	0	0	0	147	0	0	0	0	0
WILLIAM WOODS COL	91	0	0	0	0	0	0	91	0	0	0	0	0
MONTANA, TOTAL	12,973	2,425	71	0	72	0	265	8,524	440	95	1,041	0	0
CARROLL COL	855	0	0	0	0	0	0	844	0	0	11	0	0
COL OF GREAT FALLS	144	0	0	0	0	0	0	143	0	0	1	0	0
DAWSON COL	99	0	0	0	0	0	0	99	0	0	0	0	0
EASTERN MONTANA COL	973	0	0	0	0	0	0	960	0	0	0	0	0
FLATHEAD VALLEY COMM COL	236	0	0	0	0	0	0	235	0	0	0	0	0
GILES COMMUNITY COL	133	0	0	0	0	0	0	133	0	0	0	0	0
MONTANA COL MINERAL SCH	357	0	0	0	0	0	0	348	0	0	9	0	0
MONTANA STATE UNIV	8,193	2,242	33	0	72	0	101	2,555	381	82	677	0	0
NORTHERN MONTANA COL	297	0	0	0	0	0	0	242	0	0	55	0	0
ROCKY MOUNTAIN COL	461	0	0	0	0	0	0	461	0	0	0	0	0

TABLE B-28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOO	DEO	EPA	HEW	I&T	NASA	NSF	OGT	OTHER*
MONTANA													
UNIV OF MONTANA	2,944	133	3A	0	0	0	164	2,222	59	13	315	0	0
WESTERN MONTANA COL	242	0	0	0	0	0	0	242	0	0	0	0	0
NEBRASKA, TOTAL	27,091	3,701	4A	20	7A	0	6A	21,321	238	199	1,113	0	295
BELLEVUE COLLEGE	116	0	0	0	0	0	0	116	0	0	0	0	0
CENTRAL NBR TECHNICAL COL	131	0	0	0	0	0	0	131	0	0	0	0	0
CHADRON STATE COL	979	0	0	0	0	0	0	967	0	0	12	0	0
COL OF ST MARY	330	0	0	0	0	0	0	330	0	0	0	0	0
CONCORDIA UNIVS COL	100	0	0	0	0	0	0	94	0	0	6	0	0
CREIGHTON UNIV	3,724	0	0	0	0	0	0	3,617	0	0	107	0	0
DANA COL	146	0	0	0	0	0	23	91	0	0	35	0	0
DOANE COL	246	0	0	0	0	0	0	234	52	0	0	0	0
FATIMURY JP COL	70	0	0	0	0	0	0	70	0	0	0	0	0
HASTINGS COL	120	0	0	0	0	0	0	113	0	0	7	0	0
MIRAN SCOTT COL	3	0	0	0	0	0	0	3	0	0	0	0	0
JOHN F KENNEDY COL	64	0	0	0	0	0	0	64	0	0	0	0	0
KEARNEY STATE COL	503	0	0	0	0	0	0	491	0	0	12	0	0
MCCOOK COLLEGE	44	0	0	0	0	0	0	44	0	0	0	0	0
MIDLAND LUTHERAN COL	139	0	0	0	0	0	0	139	0	0	0	0	0
NEBRASKA WESLEYAN UNIV	253	0	0	0	0	0	0	159	0	0	94	0	0
NEBRASKA WESTERN COLLEGE	169	0	0	0	0	0	0	169	0	0	0	0	0
NORTH PLATTE JP COL	28	0	0	0	0	0	0	28	0	0	0	0	0
NORTHEASTERN NEBRASKA COL	122	0	0	0	0	0	0	122	0	0	0	0	0
PERU STATE COL	169	0	0	0	0	0	0	169	0	0	0	0	0
PLATTE JP COL	69	0	0	0	0	0	0	69	0	0	0	0	0
U OF NEB MED CTR AT OMAHA	4,978	0	0	0	0	0	0	4,908	0	0	70	0	0
UNION COL	101	0	0	0	0	0	0	101	0	0	0	0	0
UNIV OF NEBRASKA GEN SYS	30A	0	0	0	0	0	0	0	0	0	13	0	295
UNIV OF NEBRASKA-LINCOLN	12,466	3,701	4A	20	7A	0	0	7,995	186	199	739	0	0
UNIV OF NEBRASKA-OMAHA	722	0	0	0	0	0	4A	656	0	0	16	0	0
WAYNE STATE COL	266	0	0	0	0	0	0	266	0	0	0	0	0
YORK COL	125	0	0	0	0	0	0	125	0	0	0	0	0
NEVADA, TOTAL	6,978	1,098	371	46	286	0	269	3,248	1,029	10	601	0	0
DESERT RESEARCH INSTITUTE	1,021	0	0	2A	0	0	242	0	340	0	411	0	0
ELKO COMMUNITY COLLEGE	79	0	0	0	0	0	0	79	0	0	0	0	0
SIERRA NEVADA COLLEGE	23	0	0	0	0	0	0	23	0	0	0	0	0
UNIV OF NEV RENO CAMPUS	4,998	1,053	314	18	286	0	12	2,529	689	0	97	0	0
UNIV OF NEVADA GEN SYS	79	0	0	0	0	0	0	0	0	0	79	0	0
UNIV OF NEVADA LAS VEGAS	778	45	57	0	0	0	35	617	0	10	14	0	0
NEW HAMPSHIRE, TOTAL	16,652	1,312	50	524	260	0	50	11,906	100	721	1,729	0	0
BEKKNAP COL	73	0	0	0	0	0	0	73	0	0	0	0	0
COLBY JP COL FOR WOMEN	27	0	0	0	0	0	0	27	0	0	0	0	0
DARTMOUTH COL	8,159	0	50	0	82	0	45	8,860	0	149	981	0	0
FRANCONIA COL	52	0	0	0	0	0	0	52	0	0	0	0	0
FRANKLIN PIERCE COL	150	0	0	0	60	0	0	90	0	0	10	0	0
KEENE STATE COLLEGE	220	0	0	0	0	0	0	220	0	0	0	0	0
MT ST MARY COL	109	0	0	0	0	0	0	109	0	0	0	0	0
N H VOC INST MANCHESTER	10	0	0	0	0	0	0	10	0	0	0	0	0
N H VOC INST PORTSMOUTH	7	0	0	0	0	0	0	7	0	0	0	0	0
NATHANIEL HAWTHORNE COL	107	0	0	0	0	0	0	107	0	0	0	0	0
NEW ENGLAND AERONAUT INST	73	0	0	0	0	0	0	73	0	0	0	0	0
NEW ENGLAND COL	321	0	0	0	0	0	0	316	0	0	5	0	0
NEW HAMPSHIRE COLLEGE	221	0	0	0	0	0	0	203	0	0	18	0	0
NEW HAMPSHIRE TECH INST	57	0	0	0	0	0	0	57	0	0	0	0	0
NOTRE DAME COL	244	0	0	0	0	0	0	244	0	0	0	0	0
PLYMOUTH STATE COLLEGE	308	0	0	0	0	0	0	282	0	0	26	0	0
RIVIER COL	55	0	0	0	0	0	0	55	0	0	0	0	0
ST ANSELMS COL	504	0	0	0	0	0	0	490	0	0	14	0	0
UNIV OF N H DURHAM	5,914	1,312	0	524	11A	0	5	2,610	100	572	673	0	0
WHITE PINES COLLEGE	21	0	0	0	0	0	0	21	0	0	0	0	0
NEW JERSEY, TOTAL	67,668	2,854	2,118	1,030	3,637	0	489	45,448	172	3,005	8,246	547	14
ALPHONSUS COL	29	0	0	0	0	0	0	29	0	0	0	0	0
ATLANTIC COMM COL	173	0	0	0	0	0	0	173	0	0	0	0	0
BERGEN COMMUNITY COLLEGE	172	0	0	0	0	0	0	172	0	0	0	0	0
BETH MEDRASH GEVONIA AMER	277	0	0	0	0	0	0	277	0	0	0	0	0
BLOOMFIELD COL	562	0	0	0	0	0	0	560	0	0	2	0	0
BROOKDALE COMMUNITY COLL	324	0	0	0	0	0	0	324	0	0	0	0	0
BURLINGTON COUNTY COL	167	0	0	0	0	0	0	167	0	0	0	0	0
CALDWELL COLLEGE	89	0	0	0	0	0	0	89	0	0	0	0	0
CAMDEN COUNTY COL	444	0	0	0	0	0	0	444	0	0	0	0	0
COL OF HED & DEPT OF H J	8,592	0	0	0	0	0	0	8,665	0	0	27	0	0

TABLE B-28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DOE	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
NEW JERSEY													
COL OF ST ELIZARETH	250	0	0	0	0	0	0	250	0	0	0	0	0
COUNTY COL OF HOBBS	283	0	0	0	0	0	0	283	0	0	0	0	0
CUMBERLAND COUNTY COL	355	0	0	0	0	0	0	355	0	0	0	0	0
DON BOSCO COL	12	0	0	0	0	0	0	12	0	0	0	0	0
DREW UNIV	235	0	0	0	0	0	0	143	0	0	72	0	0
ENGLEWOOD CLIFFS COLLEGE	37	0	0	0	0	0	0	37	0	0	0	0	0
ESSEX COUNTY COLLEGE	1,753	0	0	0	0	0	0	1,753	0	0	0	0	0
FAIRFIGHT DICKINSON UNIV	1,448	0	0	0	55	0	0	1,224	0	0	269	0	0
FELICIAN COL	34	0	0	0	0	0	0	34	0	0	0	0	0
GEORGIAN COURT COL	64	0	0	0	0	0	0	34	0	0	0	0	0
GLASSBORO STATE COL	1,850	0	0	0	0	0	0	13	0	0	31	0	0
GLOUCESTER COUNTY COL	148	0	0	0	0	0	0	1,050	0	0	0	0	0
JERSEY CITY STATE COL	1,079	0	0	0	0	0	0	168	0	0	0	0	0
LUTHER COL NIPLE LIR ARTS	41	0	0	0	0	0	0	1,079	0	0	0	0	0
MERCER COUNTY COMM COL	276	0	0	0	0	0	0	41	0	0	0	0	0
MIDDLESEX COUNTY COL	429	0	0	0	0	0	0	276	0	0	0	0	0
MONMOUTH COL	268	0	0	0	0	0	0	466	0	0	13	0	0
MONTCLAIR STATE COL	1,470	0	0	4	6	0	0	259	0	0	9	0	0
NEWARK COL OF ENGINEERING	240	0	0	0	12	0	0	1,324	0	0	136	0	0
NEWARK STATE COL	402	0	0	0	0	0	0	145	0	0	43	0	0
NORTHEASTERN COL NIPLE IN	24	0	0	0	0	0	0	402	0	0	0	0	0
OCEAN COUNTY COL	119	0	0	0	0	0	0	24	0	0	0	0	0
PASSAIC COUNTY CHY COL	210	0	0	0	0	0	0	119	0	0	0	0	0
PRINCETON THEOL SEM	71	0	0	0	0	0	0	210	0	0	0	0	0
PRINCETON UNIV	14,438	0	2,025	851	2,312	0	194	4,516	0	2,975	5,023	526	12
RAMAPO COLLEGE OF N J	223	0	0	0	0	0	0	223	0	0	0	0	0
RICHARD STOCKTON ST COLL	261	30	0	0	0	0	0	231	0	0	0	0	0
RIDER COL	221	0	0	0	0	0	0	261	0	0	20	0	0
RUTGERS UNIVERSITY	29,072	2,024	54	49	367	0	285	14,180	172	30	2,073	32	2
SETON HALL UNIV	458	0	0	0	12	0	0	451	0	0	25	0	0
SOMERSET COUNTY COL	31	0	0	0	0	0	0	31	0	0	0	0	0
ST MICHAELS MONASTERY	52	0	0	0	0	0	0	52	0	0	0	0	0
ST PETERS COL	2,410	0	0	0	0	0	0	52	0	0	0	0	0
STEVENS INST OF TECH	1,852	0	39	126	0	0	0	1,528	0	0	9	0	0
FOHNBROOK COL	54	0	0	0	0	0	0	376	0	0	456	89	0
TRENTON STATE COL	674	0	0	0	0	0	0	54	0	0	0	0	0
UNION COL	1,045	0	0	0	0	0	0	631	0	0	43	0	0
UPSALA COL	242	0	0	0	0	0	0	1,085	0	0	0	0	0
WESTMINSTER CHOR COL	33	0	0	0	0	0	0	232	0	0	10	0	0
WILLIAM PATERSON COLLEGE	571	0	0	0	0	0	0	33	0	0	0	0	0
NEW JERSEY, TOTAL	17,147	2,158	79	0	5,523	246	24	24,050	451	2,132	1,586	224	628
NEW MEXICO, TOTAL													
COL OF SANTA FE	678	0	0	0	0	0	0	678	0	0	0	0	0
EASTERN NEW MEXICO UNIV	1,435	0	0	0	0	265	24	1,119	0	0	26	0	0
NEW MEX INST MINING & TEC	1,237	0	3	0	681	0	0	125	30	0	448	0	0
NEW MEXICO HIGHLANDS UNIV	1,929	0	2	0	0	0	0	1,467	0	0	60	0	0
NEW MEXICO JR COL	34	0	0	0	0	0	0	34	0	0	0	0	0
NEW MEXICO MILITARY INST	42	0	0	0	0	0	0	42	0	0	0	0	0
NEW MEXICO STATE UNIV	11,641	2,148	5	0	3,745	0	0	3,461	423	1,595	104	0	0
UNIV OF ALBUQUERQUE	1,733	0	0	0	10	0	0	1,715	0	0	8	0	0
UNIV OF NEW MEXICO	14,597	10	67	0	1,167	21	0	15,203	0	537	740	224	528
WESTERN NEW MEXICO UNIV	288	0	2	0	0	0	0	288	0	0	0	0	0
NEW MEXICO, TOTAL	603,601	7,872	14,223	1,309	17,017	4,130	1,613	292,616	593	7,523	53,366	764	2,469
NEW YORK, TOTAL													
ACADEMY OF AERONAUTICS	39	0	0	0	0	0	0	39	0	0	0	0	0
ADELPHI UNIV	2,855	0	0	0	0	0	0	1,475	0	0	190	0	0
ALBANY COL OF PHARMACY	349	0	0	0	0	0	0	349	0	0	0	0	0
ALBANY LAW SCHOOL	11	0	0	0	0	0	0	11	0	0	0	0	0
ALBANY MEDICAL COL	8,064	0	0	0	0	1,446	0	6,538	0	0	30	0	0
ALFRED UNIV	235	0	0	0	0	0	0	221	0	0	14	0	0
BANK STREET COL OF ED	1,109	0	0	0	0	19	0	1,077	0	0	9	0	0
BARD COL	74	0	0	0	0	0	0	74	0	0	0	0	0
BARNARD COL	271	0	0	0	14	0	0	199	0	0	54	0	0
BEYER SMUEL YALMUDICAL A	74	0	0	0	0	0	0	74	0	0	0	0	0
BENNETT COL	11	0	0	0	0	0	0	11	0	0	0	0	0
BETH JACOB HERR TEHR COL	90	0	0	0	0	0	0	90	0	0	0	0	0
BRIARCLIFF COL	13	0	0	0	0	0	0	13	0	0	0	0	0
BROOKLYN LAW SCHOOL	13	0	0	0	0	0	0	13	0	0	0	0	0
CANISIUS COL	421	0	0	0	0	0	0	396	0	0	25	0	0
CATH COL IMMAC CONCEPTION	29	0	0	0	0	0	0	29	0	0	0	0	0
CAZENOVIA COL	16	0	0	0	0	0	0	16	0	0	0	0	0
CEN YESH YON YIMIN LUBUZ	213	0	0	0	0	0	0	213	0	0	0	0	0
CLARKSON COL OF TECH	1,219	0	74	0	94	0	74	379	0	20	976	0	0
COL OF HY ST VINCENT	104	0	0	0	0	0	0	104	0	0	0	0	0
COL OF NEW ROCHELLE	64	0	0	0	0	0	0	64	0	0	0	0	0
COL OF PHARMACEUTICAL SCI	860	0	0	0	0	0	0	862	0	0	0	0	0

TABLE B-28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	CON	DOO	DEO	EPA	HEW	IAT	NASA	NSF	DOT	OTHER*
NEW YORK													
COL OF ST ROSE	89	0	0	0	0	0	0	89	0	0	0	0	0
COLG BOCH-REXLEY-CROZER	39	0	0	0	0	0	0	39	0	0	0	0	0
COLGATE UNIV	352	0	0	0	0	0	0	298	0	0	52	0	0
COLUMBIA UNIV	60,654	10	3,545	405	5,020	127	43	34,666	81	2,797	13,313	70	580
COLUMBIA UNIV CFM SYS	283	0	0	0	0	0	0	283	0	0	0	0	0
CONCORDIA COLLEGE	42	0	0	0	0	0	0	42	0	0	0	0	0
COOPER UNION	331	0	0	0	0	0	23	293	0	0	15	0	0
CORNELL UNIV	45,868	7,714	1,416	24	2,047	0	645	18,924	295	972	12,571	0	1,160
CUNY BARUCH COL	63	0	0	0	0	0	0	58	0	0	5	0	0
CUNY BORO OF MAN COMM COL	366	0	0	0	0	0	0	366	0	0	0	0	0
CUNY BROOKLYN COMM COL	657	0	0	0	0	0	6	642	0	0	9	0	0
CUNY BROOKLYN COL	754	0	62	0	32	0	0	475	0	0	185	0	0
CUNY CENTRAL SYSTEM	22,128	0	0	0	284	0	0	21,357	0	0	115	0	372
CUNY CITY COL	2,308	0	55	0	48	0	0	749	0	169	1,287	0	0
CUNY GRAD SCH & UNIV CTR	496	0	0	0	0	0	0	810	0	0	86	0	0
CUNY HOSTOS COMM COL	68	0	0	0	0	0	0	68	0	0	0	0	0
CUNY HUNTER COL	2,200	0	0	0	0	0	0	1,974	0	0	226	0	0
CUNY JOHN JAY C CRIM JUST	8	0	0	0	0	0	0	8	0	0	0	0	0
CUNY KINGSBORO COMM COL	247	0	0	0	0	0	0	287	0	0	0	0	0
CUNY LEHMAN COLLEGE	305	0	0	0	0	0	39	257	0	0	18	0	0
CUNY MEDGAR EVERS COL	22	0	0	0	0	0	0	22	0	0	0	0	0
CUNY MT SINAI SCH OF MED	12,274	0	32	0	149	0	0	11,499	0	17	177	0	0
CUNY N Y CITY CNTY COL	572	0	0	0	0	0	0	572	0	0	0	0	0
CUNY QUEENS COL	825	0	0	0	0	0	0	579	0	0	246	0	0
CUNY QUEENSBORO COMM COL	202	0	0	0	0	0	0	200	0	0	2	0	0
CUNY RICHMOND COL	35	0	0	0	0	0	0	11	0	0	24	0	0
CUNY STATE ISL COMM COL	349	0	0	0	0	0	0	344	0	0	5	0	0
CUNY YORK COLLEGE	137	0	0	0	0	0	0	135	0	0	2	0	0
DYONVILLE COL	348	0	0	0	0	0	0	348	0	0	0	0	0
DOMINICAN COL OF BLAUVELT	29	0	0	0	0	0	0	22	0	0	7	0	0
DOWLING COLLEGE	418	0	0	0	0	0	0	412	0	0	6	0	0
DUDLEY OBSERVATORY	946	0	0	0	0	0	0	0	0	982	4	0	0
EISENHOWER COL	876	0	0	0	0	0	0	876	0	0	0	0	0
ELIZABETH SETON COL	24	0	0	0	0	0	0	24	0	0	0	0	0
ELMHURST COL	197	0	0	0	0	0	0	197	0	0	0	0	0
FINCH COL	25	0	0	0	0	0	0	25	0	0	0	0	0
FORDHAM UNIV	2,382	0	0	0	27	0	0	2,050	0	154	151	0	0
FRIENDS WORLD COLLEGE	72	0	0	0	0	0	0	72	0	0	0	0	0
GOOD COUNSEL COL	39	0	0	0	0	0	0	39	0	0	0	0	0
HAMILTON COL	125	0	0	0	0	0	0	36	0	28	59	0	0
HARRISMAN COLLEGE	19	0	0	0	0	0	0	19	0	0	0	0	0
HARTWICK COL	204	0	0	0	0	0	0	204	0	0	0	0	0
HILBERT COLLEGE	67	0	0	0	0	0	0	87	0	0	0	0	0
HOBART AND WM SMITH COL	196	0	0	0	0	0	0	85	0	0	21	0	0
HOFSTRA UNIV	1,013	0	0	0	0	0	0	922	0	11	80	0	0
HOUGHTON COL	81	0	0	0	0	0	0	79	0	0	2	0	0
IONA COL	171	0	0	0	0	0	0	171	0	0	0	0	0
ITHACA COL	269	0	0	0	0	0	0	251	0	0	18	0	0
JEWISH THEOL SEM OF AMER	13	0	0	0	0	0	0	13	0	0	0	0	0
JUILLIARD SCHOOL	68	0	0	0	0	0	0	68	0	0	0	0	0
KEUKA COL	470	0	0	0	0	0	0	470	0	0	0	0	0
KINGS COL	76	0	0	0	0	0	0	76	0	0	0	0	0
KIRKLAND COLLEGE	95	0	0	0	0	0	0	95	0	0	0	0	0
LEMOYNE COL	478	0	0	0	0	0	0	468	0	0	10	0	0
LEWIS COL OF PODIATRY	441	0	0	0	0	0	0	441	0	0	0	0	0
LONG ISLAND UNIVERSITY	2,459	0	18	0	0	0	0	2,267	0	87	55	25	14
MANHATTAN COL	693	0	0	0	24	0	97	532	0	0	40	0	0
MANHATTAN SCH OF MUSIC	102	0	0	0	0	0	0	102	0	0	0	0	0
MANHATTANVILLE COL	215	0	0	0	0	0	0	215	0	0	0	0	0
MANNES COL OF MUSIC	36	0	0	0	0	0	0	36	0	0	0	0	0
MARIA COL OF ALBANY	92	0	0	0	0	0	0	92	0	0	0	0	0
MARIA REGINA COL	33	0	0	0	0	0	0	33	0	0	0	0	0
MARIST COL	554	0	0	0	0	0	0	554	0	0	4	0	0
MARYMOUNT COL	243	0	0	0	0	0	0	243	0	0	0	0	0
MARYMOUNT MANHATTAN COL	564	0	0	0	0	0	0	564	0	0	0	0	0
MATER DEI COL	21	0	0	0	0	0	0	21	0	0	0	0	0
MERCY COL	61	0	0	0	0	0	0	61	0	0	0	0	0
MES TOR VODAAH PARIN SEM	162	0	0	0	0	0	0	162	0	0	0	0	0
MESIVTAH TIFERETH JESU AM	123	0	0	0	0	0	0	123	0	0	0	0	0
HILLS COL OF EDUCATION	11	0	0	0	0	0	0	11	0	0	0	0	0
MIRREY YESHIVA CENT INST	44	0	0	0	0	0	0	84	0	0	0	0	0
MOLLOY COLLEGE	64	0	0	0	0	0	0	64	0	0	0	0	0
NY ST MARY COL	256	0	0	0	0	0	0	256	0	0	0	0	0
N Y INST OF TECHNOLOGY	261	0	0	0	0	0	0	244	0	0	17	0	0
NAZARETH COL OF ROCHESTER	69	0	0	0	0	0	0	69	0	0	0	0	0
NEW SCHOOL FOR SOCIAL RES	551	0	0	0	0	0	0	530	0	0	21	0	0
NEW YORK LAW SCHOOL	37	0	0	0	0	0	0	37	0	0	0	0	0
NEW YORK MEDICAL COL	4,446	0	0	0	139	0	0	4,324	0	0	424	0	0

TABLE B-28
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	CON	DOO	OEO	EPA	HEW	IAT	NASA	NSF	DOT	OTHER*
NEW YORK													
NEW YORK THEOLOGICAL SEM	18	0	0	0	0	0	0	18	0	0	0	0	0
NEW YORK UNIV	44,893	0	2,894	78	2,022	290	276	33,817	70	637	4,625	122	156
NIAGARA UNIV	476	0	0	0	0	0	0	476	0	0	0	0	0
NYACK MISSIONARY COL	35	0	0	0	0	0	0	35	0	0	0	0	0
PACE COL	749	0	0	0	0	0	0	735	0	0	14	0	0
PARSONS SCHOOL OF DESIGN	56	0	0	0	0	0	0	56	0	0	0	0	0
PAUL SMITHS COL ARTS SCI	14	0	0	0	0	0	0	14	0	0	0	0	0
POLYTECHNIC INST OF BKLYN	4,006	0	35	0	1,572	0	23	921	0	55	1,273	127	0
PRATT INST	314	0	0	0	0	0	0	281	0	0	37	0	0
RAB COL BROOKLYN YESHIVA	99	0	0	0	0	0	0	99	0	0	0	0	0
RAB SEM METZACH ISR RAM	44	0	0	0	0	0	0	88	0	0	0	0	0
RABR COL OF KAHENITZ YESH	40	0	0	0	0	0	0	80	0	0	0	0	0
RABBI JOSEPH RABINOW COL	102	0	0	0	0	0	0	102	0	0	0	0	0
RABBINICAL SEM OF AMERICA	35	0	0	0	0	0	0	35	0	0	0	0	0
RABBINICAL ACAD M R BERLIN	111	0	0	0	0	0	0	111	0	0	0	0	0
RABBINICAL COL CHSAN SOFFER	96	0	0	0	0	0	0	96	0	0	0	0	0
RENSSELAER POLYTECH INST	5,932	0	1,014	35	674	0	54	2,203	0	514	1,349	35	0
ROBERTS WESLEYAN COL	174	0	0	0	0	0	0	174	0	0	0	0	0
ROCHESTER INST OF TECH	481	0	0	0	14	0	0	631	150	0	86	0	0
ROCKEFELLER UNIV	10,749	0	71	0	189	0	0	9,394	0	0	1,115	0	0
ROSBARY HILL COL	153	0	0	0	0	0	0	153	0	0	0	0	0
RUSSELL SAGE COL	330	0	0	0	0	0	0	296	0	0	4	0	0
SARAH LAWRENCE COL	264	0	0	0	0	0	0	264	0	0	0	0	0
SIENA COLLEGE	195	0	0	0	0	0	0	155	0	0	0	0	0
SKIDMORE COL	449	0	0	0	0	0	0	439	0	0	10	0	0
ST BERNARD'S SEMINARY	10	0	0	0	0	0	0	10	0	0	0	0	0
ST BONAVENTURE UNIV	61	0	0	0	0	0	0	53	0	0	8	0	0
ST FRANCIS COL	137	0	0	0	0	0	0	137	0	0	0	0	0
ST JOHN FISHER COL	72	0	0	0	0	0	0	72	0	0	0	0	0
ST JOHN VIANEY SEM	145	0	0	0	0	0	0	145	0	0	0	0	0
ST JOHNS UNIV	945	0	0	0	0	0	0	958	0	0	27	0	0
ST JOSEPH'S COLLEGE	22	0	0	0	0	0	0	22	0	0	0	0	0
ST LAWRENCE UNIV	336	0	0	0	0	0	0	283	0	0	23	0	0
ST THOMAS AQUINAS COL	49	0	0	0	0	0	0	49	0	0	0	0	0
ST VLADIMIR'S THEOL SEM	10	0	0	0	0	0	0	10	0	0	0	0	0
SUNY ALT COL ALFRED	149	0	0	0	0	0	0	343	0	15	31	0	0
SUNY ALT COL CANTON	193	0	0	0	0	0	0	171	0	0	2	0	0
SUNY ALT COL CORLESKILL	188	0	0	0	0	0	0	188	0	0	0	0	0
SUNY ALT COL DELHI	319	0	0	0	0	0	0	303	0	0	16	0	0
SUNY ALT COL FARMINGDALE	540	0	0	0	0	0	0	560	0	0	0	0	0
SUNY ALT COL HOPKINSVILLE	134	0	0	0	0	0	0	134	0	0	0	0	0
SUNY ADIRONDACK CNTY COL	60	0	0	0	0	0	0	60	0	0	0	0	0
SUNY AUBURN CNTY COL	245	0	0	0	0	0	0	236	0	4	5	0	0
SUNY BROOKS TECH CNTY COL	499	0	0	0	0	0	0	235	35	0	229	0	0
SUNY C ENV SCI & FORESTRY	1,152	0	0	725	20	0	148	144	0	0	71	0	0
SUNY CENTRAL SYSTEM	64	0	0	0	0	0	0	64	0	0	0	0	0
SUNY CLINTON CNTY COL	454	0	0	0	0	0	0	542	0	0	22	0	0
SUNY CNTY C FINGER LAKES	2,071	0	0	0	0	0	0	2,071	0	0	0	0	0
SUNY COL AT OLD WESTBURY	1,015	0	0	0	0	0	0	860	0	0	155	0	0
SUNY COL BROCKPORT	2,514	0	0	0	407	0	0	2,034	0	0	73	0	0
SUNY COL BUFFALO	544	0	0	0	0	0	0	562	0	0	26	0	0
SUNY COL CORTLAND	444	0	0	0	0	0	0	487	0	0	107	0	0
SUNY COL FREDONIA	770	0	0	0	0	0	0	640	0	47	83	0	0
SUNY COL GENESEO	645	0	0	0	0	0	0	633	0	0	52	0	0
SUNY COL NEW PALTZ	562	0	0	0	0	0	0	557	0	0	5	0	0
SUNY COL ONEONTA	445	0	0	0	0	0	0	370	0	0	115	0	0
SUNY COL OSWEGO	735	0	0	0	0	0	0	691	0	0	44	0	0
SUNY COL PLATTSBURGH	334	0	0	0	0	0	0	254	0	0	84	0	0
SUNY COL PURCHASE	469	0	0	0	0	0	0	469	0	0	0	0	0
SUNY COLUMBIA-GREENE C C	113	0	0	0	0	0	0	97	0	0	16	0	0
SUNY CORTLAND CNTY COL	217	0	0	0	0	0	0	194	0	0	23	0	0
SUNY DOWNSTATE WED CTR	7,717	0	0	0	151	0	69	7,483	0	1	93	0	0
SUNY DUTCHESS CNTY COL	301	0	0	0	0	0	0	201	0	0	0	0	0
SUNY ERIE CNTY COL	101	0	0	0	0	0	0	101	0	0	0	0	0
SUNY FASHION INST TECH	101	0	0	0	0	0	0	101	0	0	0	0	0
SUNY FULTON-MONT CNTY COL	149	0	0	0	0	0	0	88	0	0	21	0	0
SUNY GENESEE CNTY COL	149	0	0	0	0	0	0	149	0	0	0	0	0
SUNY HERKIMER CNTY CNTY C	53	0	0	0	0	0	0	51	0	0	2	0	0
SUNY HUDSON VAL CNTY COL	416	0	0	0	0	0	0	416	0	0	0	0	0
SUNY JAMESTOWN CNTY COL	124	0	0	0	0	0	0	102	0	0	22	0	0
SUNY JEFFERSON CNTY COL	91	0	0	0	0	0	0	91	0	0	0	0	0
SUNY MARITIME COLLEGE	72	0	0	0	0	0	0	47	0	0	25	0	0
SUNY MONMOUTH VAL CNTY COL	224	0	0	0	0	0	0	224	0	0	0	0	0
SUNY MONTPELIER CNTY COL	433	0	0	0	0	0	0	433	0	0	0	0	0
SUNY NASSAU CNTY COL	344	0	0	0	0	0	0	344	0	0	0	0	0
SUNY NIAGARA CNTY CNTY C	292	0	0	0	0	0	0	292	0	0	0	0	0
SUNY NORTH CNTY CNTY COL	134	0	0	0	0	0	0	134	0	0	0	0	0

TABLE B-28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOO	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
NEW YORK													
SUNY ONONDAGA CNTY CNTY C	219	0	0	0	0	0	0	219	0	0	0	0	0
SUNY ORANGE CNTY CNTY COL	698	0	0	0	0	0	0	698	0	0	0	0	0
SUNY ROCKLAND CNTY COL	338	0	0	0	0	0	0	338	0	0	0	0	0
SUNY SCHEN CNTY CNTY COL	124	0	0	0	0	0	0	124	0	0	0	0	0
SUNY ST U ALBANY	4,935	26	54	0	314	1,936	71	5,545	0	0	963	0	12
SUNY ST U RINGHAMTON	1,838	0	0	0	0	0	0	992	0	0	846	0	0
SUNY ST U BUFFALO	16,944	0	117	0	78	0	0	19,008	0	145	1,444	0	0
SUNY ST U STONY BROOK	7,235	0	619	0	97	0	0	2,409	0	593	1,317	0	0
SUNY STATE COL. OPTOMETRY	143	0	0	0	0	0	0	143	0	0	0	0	0
SUNY SUFFOLK CNTY CNTY C	572	0	0	0	0	0	0	572	0	0	2	0	0
SUNY SULLIVAN CNTY CNTY C	156	0	0	0	0	0	0	156	0	0	0	0	0
SUNY TOMP-CORT CNTY COL	146	0	0	0	0	0	0	146	0	0	0	0	0
SUNY ULSTER CNTY CNTY COL	169	0	0	0	0	0	0	169	0	0	0	0	0
SUNY UPSTATE MED CTR	4,319	0	0	0	0	0	0	4,290	0	0	41	0	0
SUNY WESTCHESTER CNTY COL	121	0	0	0	0	0	0	121	0	0	0	0	0
SYRACUSE UNIV	9,541	122	144	0	1,275	0	4	4,622	35	58	2,149	172	0
TEACHERS COL	3,510	0	0	0	0	0	0	3,357	0	0	153	0	0
TROSTATE COL	103	0	0	0	0	0	0	103	0	0	0	0	0
UNION COL	462	0	0	0	20	0	0	292	0	0	150	0	0
UNION THEOL SEMINARY	91	0	0	0	0	0	0	91	0	0	0	0	0
UNIV OF ROCHESTER	27,531	0	4,783	0	1,546	0	5	17,588	0	127	3,104	295	175
UTICA COLLEGE	519	0	0	0	0	0	0	517	0	0	2	0	0
VASSAR COL	478	0	0	0	0	0	0	424	0	0	46	0	0
VILLA MARIA COL BUFFALO	29	0	0	0	0	0	0	29	0	0	0	0	0
WADSWORTH HALL	2	0	0	0	0	0	0	2	0	0	0	0	0
WAGNER COL	326	0	0	0	0	0	0	326	0	0	0	0	0
WEBB INST OF NAVAL ARCH	91	0	0	50	4	0	0	0	0	0	29	4	0
WELLS COL	44	0	0	0	0	0	0	44	0	0	0	0	0
YESH BETH SHEAR PARS INST	84	0	0	0	0	0	0	84	0	0	0	0	0
YESHIVA UNIV	29,950	0	66	0	655	432	0	27,613	24	0	1,190	0	0
NORTH CAROLINA, TOTAL													
APPALACHIAN STATE UNIV	1,598	0	0	0	0	0	0	1,569	0	0	29	0	0
ASHEVILLE-UNCOMHE TECH INST	65	0	0	0	0	0	0	65	0	0	0	0	0
ATLANTIC CHRISTIAN COL	226	0	0	0	0	0	0	226	0	0	0	0	0
BARBER-SCOTIA COL	680	0	0	0	0	0	0	680	0	0	0	0	0
BEAUFORT COUNTY TECH-INST	112	0	0	0	0	0	0	112	0	0	0	0	0
BELMONT ABBEY COL	51	0	0	0	0	0	0	49	0	0	2	0	0
BENNETT COL	1,205	0	0	0	0	0	0	1,179	0	0	26	0	0
BREYARD COL	32	0	0	0	0	0	0	32	0	0	0	0	0
CALDWELL COMMUNITY COLL	105	0	0	0	0	0	0	105	0	0	0	0	0
CAMPBELL COL	317	0	0	0	0	0	0	315	0	0	2	0	0
CAPE FEAR TECHNICAL INST	398	0	0	381	0	0	0	17	0	0	0	0	0
CAROLINA COASTAL COMM COL	8	0	0	0	0	0	0	8	0	0	0	0	0
CARTERET TECHNICAL INST	30	0	0	0	0	0	0	30	0	0	0	0	0
CATAWBA COL	49	0	0	0	0	0	0	29	0	0	20	0	0
CATAWBA VALLEY TECH INST	23	0	0	0	0	0	0	23	0	0	0	0	0
CENTRAL CAROLINA TECH INS	54	0	0	0	0	0	0	54	0	0	0	0	0
CENTRAL PIEDMONT COMM COL	933	0	0	0	0	0	0	933	0	0	0	0	0
CHOWAN COL	156	0	0	0	0	0	0	153	0	0	3	0	0
COL OF THE ALBEMARLE	261	0	0	0	0	0	0	261	0	0	0	0	0
CRAVEN TECHNICAL INST	39	0	0	0	0	0	0	39	0	0	0	0	0
DAVIDSON COL	194	0	0	0	0	0	0	157	0	0	37	0	0
DAVIDSON COUNTY COMM COL	55	0	0	0	0	0	0	55	0	0	0	0	0
DUKE UNIV	35,266	0	809	15	1,927	0	102	29,265	7	145	2,989	0	7
DURHAM TECHNICAL INST	41	0	0	0	0	0	0	41	0	0	0	0	0
EAST CAROLINA UNIV	1,743	0	0	0	0	0	0	1,536	0	0	207	0	0
ELIZABETH CITY STATE UNIV	1,283	0	0	0	0	0	0	1,222	0	0	61	0	0
ELON COL	234	0	0	0	0	0	0	234	0	0	0	0	0
FAYETTEVILLE STATE UNIV	1,554	0	0	0	0	0	0	1,554	0	0	0	0	0
FAYETTEVILLE TECH INST	103	0	0	0	0	0	0	103	0	0	0	0	0
FORSYTH TECHNICAL INST	69	0	0	0	0	0	0	69	0	0	0	0	0
GARDNER-WEBB COL	208	0	0	0	0	0	0	208	0	0	0	0	0
GASTON COL	219	0	0	0	0	0	0	219	0	0	0	0	0
GREENSBORO COL	57	0	0	0	0	0	0	57	0	0	0	0	0
GUILFORD COL	42	0	0	0	0	0	0	42	0	0	0	0	0
GUILFORD TECHNICAL INST	103	0	0	0	0	0	0	103	0	0	0	0	0
HAYWOOD TECHNICAL INST	12	0	0	0	0	0	0	12	0	0	0	0	0
HIGH POINT COL	29	0	0	0	0	0	0	29	0	0	0	0	0
ISOTHERMAL COMM COL	46	0	0	0	0	0	0	46	0	0	0	0	0
JAMES SPRUNT INSTITUTE	111	0	0	0	0	0	0	111	0	0	0	0	0
JOHNSON C SMITH UNIV	956	0	0	0	0	0	0	988	0	0	0	0	0
KITTRELL COL	1,007	0	0	0	0	0	0	1,007	0	0	0	0	0
LEES-MCRAE COL	462	0	0	0	0	0	0	462	0	0	0	0	0
LENOIR COMMUNITY COLLEGE	199	0	0	0	0	0	0	199	0	0	0	0	0
LENOIR-RHYNE COL	117	0	0	0	0	0	0	117	0	0	0	0	0
LIVINGSTONE COL	893	0	0	0	0	0	0	891	0	0	2	0	0

TABLE B-28
(CONTINUED)TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOE	OEI	EPA	HEW	IAT	NASA	NSF	DOT	OTHER*
NORTH CAROLINA													
LOUISBURG COL	45	0	0	0	0	0	0	43	0	0	2	0	0
MARS HILL COL	149	0	0	0	0	0	0	180	0	0	9	0	0
MARTIN TECHNICAL INST	177	0	0	0	0	0	0	177	0	0	0	0	0
MEREDITH COL	136	0	0	0	0	0	0	136	0	0	0	0	0
METHODIST COL	77	0	0	0	0	0	0	77	0	0	0	0	0
MITCHELL COL	71	0	0	0	0	0	0	71	0	0	0	0	0
MONTREAT-ANDERSON COL	109	0	0	0	0	0	0	109	0	0	0	0	0
MT OLIVE JR COL	124	0	0	0	0	0	0	324	0	0	0	0	0
N C AGRIC & TECH ST UNIV	4,422	1,197	0	0	0	0	45	2,387	0	52	566	0	75
N C SCHOOL OF THE ARTS	50	0	0	0	0	0	0	60	0	0	0	0	0
N C STATE UNIV AT RALEIGH	16,419	9,885	136	0	360	0	259	3,425	210	273	1,165	214	272
N C WESLEYAN COL	75	0	0	0	0	0	0	67	0	0	4	0	0
NO CAROLINA CENTRAL UNIV	2,764	0	0	0	0	0	0	2,705	0	0	59	0	0
PEACE COL	35	0	0	0	0	0	0	35	0	0	0	0	0
PEMBROKE STATE UNIVERSITY	430	0	0	0	0	0	0	425	0	0	5	0	0
PFEIFFER COL	103	0	0	0	0	0	0	99	0	0	4	0	0
PITT TECHNICAL INSTITUTE	79	0	0	0	0	0	0	79	0	0	0	0	0
QUEENS COL	44	0	0	0	0	0	0	44	0	0	0	0	0
RANDOLPH TECHNICAL INST	9	0	0	0	0	0	0	9	0	0	0	0	0
RICHMOND TECHNICAL INST	27	0	0	0	0	0	0	27	0	0	0	0	0
ROCKINGHAM COMM COL	116	0	0	0	0	0	0	116	0	0	0	0	0
ROMAN TECHNICAL INSTITUTE	22	0	0	0	0	0	0	22	0	0	0	0	0
SACRED HEART COL	76	0	0	0	0	0	0	76	0	0	0	0	0
SAMPSON TECHNICAL INST	43	0	0	0	0	0	3	43	0	0	0	0	0
SANDHILLS COMM COL	140	0	0	0	0	0	0	140	0	0	0	0	0
SHAW UNIV	2,715	0	0	0	0	0	34	1,490	0	0	591	0	0
SOUTHEASTERN COMM COL	298	0	0	0	0	0	0	298	0	0	0	0	0
SOUTHWESTERN TECH INST	44	0	0	0	0	0	0	44	0	0	0	0	0
SOUTHWOOD COL	31	0	0	0	0	0	0	31	0	0	0	0	0
ST ANDREWS PRESBY COL	201	0	0	0	0	0	0	192	0	0	9	0	0
ST AUGUSTINES COL	1,727	0	0	0	0	0	0	1,727	0	0	0	0	0
ST MARYS JR COL	12	0	0	0	0	0	0	12	0	0	0	0	0
SURRY COMM COL	95	0	0	0	0	0	0	95	0	0	0	0	0
TECH INST OF ALABAMA	27	0	0	0	0	0	0	27	0	0	0	0	0
U OF NO CAROLINA AT WILMY	256	0	0	0	0	0	0	251	0	0	5	0	0
UNIV OF N C AT ASHEVILLE	131	0	0	0	0	0	0	123	0	0	8	0	0
UNIV OF N C AT CHAP HILL	34,095	0	349	720	763	352	347	27,435	0	15	3,970	0	14
UNIV OF N C AT CHARLOTTE	290	0	0	0	0	0	0	262	0	0	18	0	0
UNIV OF N C AT GREENSBORO	916	0	0	0	0	0	0	855	0	0	61	0	0
UNIV OF N C GEN SYS	2,267	0	0	0	0	0	304	163	0	0	0	0	1,800
W M HOLDING TECH INST	34	0	0	0	0	0	0	34	0	0	0	0	0
WAKE FOREST UNIV	5,555	0	26	0	48	0	0	6,507	0	0	62	0	0
WARREN WILSON COL	508	0	0	0	0	0	0	506	0	0	2	0	0
WAYNE COMMUNITY COLLEGE	452	0	0	0	0	0	0	452	0	0	0	0	0
WESTERN CAROLINA UNIV	1,586	0	0	45	0	0	0	1,171	0	0	290	0	0
WESTERN PIEDMONT COMM COL	71	0	0	0	0	0	0	71	0	0	0	0	0
WILKES COMM COL	130	0	0	0	0	0	0	130	0	0	0	0	0
WILSON COUNTY TECH INST	144	0	0	0	0	0	0	144	0	0	0	0	0
WINGATE COL	40	0	0	0	0	0	0	40	0	0	0	0	0
WINSTON-SALEM STATE UNIV	1,134	0	0	0	0	0	0	1,104	0	0	0	0	0
NORTH DAKOTA, TOTAL													
RISHARCK JR COL	228	0	0	0	0	0	0	228	0	0	0	0	0
DICKINSON STATE COL	248	0	0	0	0	0	0	244	0	0	0	0	0
JAMESTOWN COL	344	0	0	0	0	0	0	339	0	0	5	0	0
LAKE REGION JR COL	110	0	0	0	0	0	0	110	0	0	0	0	0
MARY COL	614	0	0	0	0	0	0	618	0	0	0	0	0
MAYVILLE STATE COL	139	0	0	0	0	0	0	139	0	0	0	0	0
MINOT ST COL	467	0	0	0	0	0	0	428	0	0	39	0	0
NORTH DAKOTA ST SCH SCI	194	0	0	0	0	0	0	198	0	0	0	0	0
NORTH DAKOTA STATE UNIV	4,544	2,368	0	105	0	0	35	1,674	140	16	164	0	0
UNIV OF NORTH DAKOTA	6,972	35	4	0	100	0	11	4,991	1,600	0	231	0	0
VALLEY CITY STATE COL	293	0	0	0	0	0	0	293	0	0	0	0	0
OHIO, TOTAL													
ALLEN COUNTY TECH INST	38	0	0	0	0	0	0	38	0	0	0	0	0
ANTIOCH COL	4,263	0	0	0	0	1,070	0	3,138	0	0	155	0	0
ART ACADEMY OF CINCINNATI	5	0	0	0	0	0	0	5	0	0	0	0	0
ASHLAND COL	151	0	0	0	0	0	0	141	0	0	0	0	0
ATHENAEUM OF OHIO	32	0	0	0	0	0	0	32	0	0	0	0	0
BALDWIN-WALLACE COL	678	0	0	0	0	0	0	666	0	0	12	0	0
BLUFFTON COL	548	0	0	0	0	0	0	530	0	0	18	0	0
BORROWED SEMINARY OF OHIO	27	0	0	0	0	0	0	27	0	0	0	0	0
BOWLING GREEN STATE UNIV	1,318	0	0	0	0	0	0	928	0	35	355	0	0
CAPITAL UNIV	366	0	0	0	0	0	0	366	0	0	0	0	0
CASE WESTERN RESERVE UNIV	25,374	8	655	0	1,422	0	39	19,241	114	671	3,088	0	147

TABLE B-28
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOO	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
OHIO													
CEDARVILLE COL	76	0	0	0	0	0	0	73	0	0	3	0	0
CENTRAL STATE UNIV	2,444	0	0	0	0	197	0	2,142	0	0	75	0	0
CLARK CO TECHNICAL INST	45	0	0	0	0	0	0	45	0	0	0	0	0
CLEVELAND INST OF MUSIC	20	0	0	0	0	0	0	20	0	0	0	0	0
CLEVELAND STATE UNIV	1,885	0	0	0	0	0	0	975	0	0	30	0	0
COL MT ST JOSEPH-OM-OHIO	44	0	0	0	0	0	0	84	0	0	0	0	0
COL OF STEUBENVILLE	146	0	0	0	0	0	0	186	0	0	0	0	0
COL OF WOOSTER	628	0	0	0	0	0	0	610	0	0	18	0	0
COLUMBUS COL ART & DESIGN	161	0	0	0	0	0	0	161	0	0	0	0	0
COLUMBUS TECHNICAL INST	171	0	0	0	0	0	0	171	0	0	0	0	0
CUYAHOGA COMM COL	1,465	0	0	0	0	0	0	1,465	0	0	0	0	0
DEFIANCE COL	160	0	0	0	0	0	0	160	0	0	0	0	0
DENISON UNIV	72	0	0	0	0	0	0	58	0	0	14	0	0
DYKE COL	44	0	0	0	0	0	0	44	0	0	0	0	0
EDGECLIFF COLLEGE	115	0	0	0	0	0	0	115	0	0	0	0	0
EVANGELICAL LUTH THEO SEM	57	0	0	0	0	0	0	57	0	0	0	0	0
FINDLAY COL	200	0	0	0	0	0	0	139	0	0	61	0	0
FRANKLIN UNIV	65	0	0	0	0	0	0	55	0	0	10	0	0
HEIDELBERG COL	119	0	0	0	0	0	0	98	0	0	21	0	0
MIRAM COL	431	0	0	0	0	0	0	416	0	0	15	0	0
JEFFERSON CNTY TECH INST	12	0	0	0	0	0	0	12	0	0	0	0	0
JOHN CARROLL UNIV	274	0	0	0	39	0	0	126	0	0	109	0	0
KENT STATE UNIV	2,593	0	44	7.3	32	0	17	1,919	0	39	305	0	0
KENYON COL	45	0	0	0	0	0	0	68	0	0	17	0	0
KETTERING COLL MED ARTS	76	0	0	0	0	0	0	76	0	0	0	0	0
LAKE ERIE COL	27	0	0	0	0	0	0	27	0	0	0	0	0
LAKELAND COMM COL	41	0	0	0	0	0	0	41	0	0	0	0	0
LORAIN COUNTY COMM COL	228	0	0	0	0	0	0	228	0	0	0	0	0
MALONE COL	79	0	0	0	0	0	0	79	0	0	0	0	0
MARIETTA COL	303	0	0	0	0	0	0	290	0	0	13	0	0
MARY HANSE COL	54	0	0	0	0	0	0	52	0	0	2	0	0
MED COL OF OHIO AT TOLEDO	2,143	0	0	0	0	0	0	2,174	0	0	9	0	0
METHODIST THEOL SCH OHIO	53	0	0	0	0	0	0	53	0	0	0	0	0
MIAMI UNIV	998	0	0	0	232	0	0	584	0	0	182	0	0
MIAMI-JACOBS JR COL BUS	126	0	0	0	0	0	0	126	0	0	0	0	0
MT UNION COL	124	0	0	0	0	0	0	122	0	0	2	0	0
MT VERNON NAZARENE COL	111	0	0	0	0	0	0	111	0	0	0	0	0
MUSKINGUM AREA TECH INST	49	0	0	0	0	0	0	89	0	0	0	0	0
MUSKINGUM COL	107	0	0	0	0	0	0	93	0	0	14	0	0
NOTRE DAME COL	119	0	0	0	0	0	0	103	0	0	16	0	0
ORELYN COL	455	0	0	0	0	0	0	385	0	0	70	0	0
OHIO COL OF PODIATRIC MED	370	0	0	0	0	0	0	370	0	0	0	0	0
OHIO DOMINICAN COL	311	0	0	0	0	0	0	303	0	0	8	0	0
OHIO NORTHERN UNIV	680	0	0	0	0	0	0	600	0	0	80	0	0
OHIO STATE UNIV	47,475	7,497	450	43	3,232	0	321	30,544	213	508	3,477	283	1,273
OHIO TECH INST	104	0	0	0	0	0	0	104	0	0	0	0	0
OHIO UNIV	3,881	0	162	0	225	0	0	2,222	0	76	316	0	0
OHIO WESLEYAN UNIV	408	0	0	0	0	0	0	342	0	0	66	0	0
OTTERBEIN COL	361	0	0	0	0	0	0	361	0	0	0	0	0
PENTA COUNTY TECH INST	124	0	0	0	0	0	0	124	0	0	0	0	0
PONTIFICAL COL JOSEPHINUM	76	0	0	0	0	0	0	76	0	0	0	0	0
RABBINICAL COL OF TELSHE	150	0	0	0	0	0	0	150	0	0	0	0	0
RIO GRANDE COL	449	0	0	0	0	0	0	449	0	0	0	0	0
SINCLAIR COL	766	0	0	0	0	0	0	766	0	0	0	0	0
ST JOHN COL OF CLEVELAND	241	0	0	0	0	0	0	241	0	0	0	0	0
TIFFIN UNIV	231	0	0	0	0	0	0	231	0	0	0	0	0
TRI-COUNTY TECH INSTITUTE	92	0	0	0	0	0	0	92	0	0	0	0	0
UNITED THEOL SEMINARY	127	0	0	0	0	0	0	127	0	0	0	0	0
UNIV OF AKRON	829	0	0	0	0	0	0	735	0	0	94	0	0
UNIV OF CINCINNATI	15,211	0	55	0	772	0	503	13,843	0	193	645	0	0
UNIV OF DAYTON	6,866	0	0	0	4,828	0	31	949	0	64	194	0	0
UNIV OF TOLEDO	1,304	0	0	0	0	0	32	1,068	61	10	153	0	0
URBANA COL	139	0	0	0	0	0	0	139	0	0	0	0	0
URSULINE COL	61	0	0	0	0	0	0	61	0	0	0	0	0
WALSH COL	108	0	0	0	0	0	0	108	0	0	0	0	0
WESTERN COLLEGE	131	0	0	0	0	0	0	114	0	0	17	0	0
WILBERFORCE UNIV	1,215	0	0	0	0	0	0	3,215	0	0	0	0	0
WILMINGTON COL	237	0	0	0	0	0	0	237	0	0	0	0	0
WITTENBERG UNIV	818	0	0	0	15	0	0	814	0	0	4	0	0
WRIGHT STATE UNIV	1,977	0	0	0	240	0	0	1,641	0	0	51	0	0
XAVIER UNIV	59	0	0	0	0	0	0	51	0	0	8	0	0
YOUNGSTOWN STATE UNIV	369	0	0	0	0	0	0	363	0	17	9	0	0
OKLAHOMA, TOTAL	38,595	5,038	57	106	1,764	0	421	25,998	283	956	2,795	117	0
ALTUS JR COL	31	0	0	0	0	0	0	31	0	0	0	0	0
BADONE COL	442	0	0	0	0	0	0	442	0	0	0	0	0
BARTLESVILLE WESLEYAN COL	68	0	0	0	0	0	0	68	0	0	0	0	0

TABLE B-28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
OKLAHOMA													
BETHANY-NAZARENE COL	149	0	0	0	0	0	0	147	0	0	2	0	0
CAMERON STATE AGR COL	476	0	0	0	0	0	0	474	0	0	2	0	0
CARL ALBERT JUNIOR COL	242	0	0	0	0	0	0	242	0	0	0	0	0
CENTRAL STATE UNIVERSITY	464	0	0	0	0	0	0	468	0	0	0	0	0
CLAREMORE JR COLLEGE	420	0	0	0	0	0	0	420	0	0	0	0	0
CONNORS STATE COLLEGE	90	0	0	0	0	0	0	90	0	0	0	0	0
EAST CENTRAL STATE COL	1,026	0	0	0	0	0	0	1,015	0	0	11	0	0
EASTERN OKLA STATE COL	190	0	0	0	0	0	0	190	0	0	0	0	0
LANGSTON UNIV	1,621	598	0	0	0	0	0	966	0	0	57	0	0
MURRAY STATE COLLEGE	142	0	0	0	0	0	0	142	0	0	0	0	0
NORTHEASTERN OKLA A&M COL	407	0	0	0	0	0	0	407	0	0	0	0	0
NORTHEASTERN STATE COL	1,057	0	0	0	0	0	0	1,046	0	0	11	0	0
NORTHERN OKLAHOMA COL	129	0	0	0	0	0	0	129	0	0	0	0	0
NORTHWESTERN STATE COL	111	0	0	0	0	0	0	102	0	0	9	0	0
OKLAHOMA BAPTIST UNIV	324	0	0	0	0	0	0	324	0	0	0	0	0
OKLAHOMA CHRISTIAN COL	362	0	0	0	0	0	0	354	0	0	8	0	0
OKLAHOMA CITY UNIV	259	0	0	0	72	0	0	173	0	0	14	0	0
OKLAHOMA COL LIT&PAL ARTS	324	0	0	0	0	0	0	324	0	0	0	0	0
OKLAHOMA STATE UNIV	12,158	4,500	15	0	1,252	0	178	4,446	149	779	812	27	0
ORAL ROBERTS UNIV	114	0	0	0	0	0	0	112	0	0	2	0	0
OSCAR ROSE JR COLLEGE	536	0	0	0	0	0	0	411	0	0	125	0	0
PANHANDLE STATE COLLEGE	59	0	0	0	0	0	0	59	0	0	0	0	0
PHILLIPS UNIV	164	0	0	0	0	0	0	164	0	0	0	0	0
SEMINOLE JR COL	143	0	0	0	0	0	0	143	0	0	0	0	0
SOUTHEASTERN STATE COL	1,407	0	0	0	0	0	0	1,290	0	55	62	0	0
SOUTHWESTERN COL	274	0	0	0	0	0	0	274	0	0	0	0	0
SOUTHWESTERN STATE COL	1,064	0	0	0	0	0	0	840	0	0	224	0	0
ST GREGORYS COL	219	0	0	0	0	0	0	219	0	0	0	0	0
TULSA JUNIOR COLLEGE	160	0	0	0	0	0	0	160	0	0	0	0	0
UNIV OF OKLAHOMA	13,171	0	42	106	440	0	197	10,914	119	76	1,147	98	0
UNIV OF TULSA	504	0	0	0	0	0	45	328	15	46	69	0	0
OREGON, TOTAL	51,122	2,957	884	1,762	1,718	249	661	35,257	256	584	6,646	0	298
113													
BLJE MOUNTAIN COMM COL	45	0	0	0	0	0	0	45	0	0	0	0	0
CENTRAL OREGON COMM COL	266	0	0	0	0	0	0	266	0	0	0	0	0
CHEWKEETA COMMUNITY COL	205	0	0	0	0	0	0	205	0	0	0	0	0
CLACKANUS COMMUNITY COL	134	0	0	0	0	0	0	134	0	0	0	0	0
CLATSOP COMM COL	123	0	0	0	0	0	0	123	0	0	0	0	0
COLUMBIA CHRISTIAN COL	110	0	0	0	0	0	0	110	0	0	0	0	0
CONCORDIA COL	21	0	0	0	0	0	0	21	0	0	0	0	0
EASTERN OREGON COL	177	0	0	0	0	0	0	177	0	0	0	0	0
GEORGE FOX COL	149	0	0	0	0	0	0	149	0	0	0	0	0
LANE COMM COL	1,014	0	0	0	0	0	0	1,012	0	0	2	0	0
LEWIS AND CLARK COL	213	0	0	0	0	0	0	213	0	0	0	0	0
LINFIELD COL	442	0	0	3	0	0	0	333	0	89	37	0	0
LINN BENTON COMM COL	203	0	0	0	0	0	0	203	0	0	0	0	0
MARYLMURST COL	67	0	0	0	0	0	0	67	0	0	0	0	0
MT ANGEL COL	149	0	0	0	0	0	0	149	0	0	0	0	0
MT ANGEL SEMINARY	7	0	0	0	0	0	0	7	0	0	0	0	0
MT HOOD COMM COL	334	0	0	0	0	0	0	334	0	0	0	0	0
MUSEUM ART SCHOOL	21	0	0	0	0	0	0	21	0	0	0	0	0
OREG ST HIGH ED CEN SYS	46	0	0	0	0	0	0	46	0	0	0	0	0
OREGON COL OF EDUCATION	1,000	2	29	0	0	0	0	435	0	0	134	0	0
OREGON GRADUATE CENTER	197	0	0	0	176	0	0	130	0	0	141	0	0
OREGON STATE UNIV	16,479	2,959	467	1,759	1,038	0	644	5,767	256	271	3,763	0	219
OREGON TECH INST	273	0	0	0	0	0	0	273	0	0	0	0	0
PACIFIC UNIV	922	0	0	0	0	0	0	968	0	0	0	0	0
PORTLAND COMM COL	525	0	0	0	0	0	0	523	0	0	2	0	0
PORTLAND STATE UNIVERSITY	3,457	6	0	0	64	0	13	3,283	0	0	91	0	0
REED COL	397	0	0	0	57	0	0	220	0	0	120	0	0
SOUTHERN OREGON COL	1,094	0	0	0	9	0	0	1,009	0	0	76	0	0
SOUTHWESTN OREG COMM COL	135	0	0	0	0	0	0	135	0	0	0	0	0
TREASURE VALLEY COMM COL	193	0	0	0	0	0	0	193	0	0	0	0	0
U OREGON DENTAL SCHOOL	674	0	0	0	103	0	0	575	0	0	0	0	0
U OREGON MEDICAL SCHOOL	9,152	0	42	0	20	0	0	9,056	0	0	0	0	0
UMPUQUA COMM COL	56	0	0	0	0	0	0	56	0	0	0	0	0
UNIV OF OREGON - EUGENE	11,653	0	222	0	269	249	0	8,474	0	164	1,792	0	79
UNIV OF PORTLAND	391	0	0	0	0	0	0	305	0	0	86	0	0
WARNER PACIFIC COL	93	0	0	0	0	0	0	93	0	0	0	0	0
WESTERN BAPTIST BIBLE COL	5	0	0	0	0	0	0	5	0	0	0	0	0
WESTERN CONS BAPTIST SEM	13	0	0	0	3	0	0	13	0	0	0	0	0
WILLAMETTE UNIV	149	0	0	0	0	0	0	147	0	0	2	0	0
PENNSYLVANIA, TOTAL													
ALBRIGHT COL	197	0	0	0	0	0	0	101	0	0	6	0	0
ALLEGHENY COL	477	0	0	0	0	0	0	175	0	0	302	0	0

TABLE B-26
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	HEC	CON	DOE	DEO	EPA	HEW	IAT	NASA	NSF	DOT	OTHER*
PENNSYLVANIA													
ALLEGHENY COUNTY COMM COL	1,149	0	0	0	0	0	0	1,149	0	0	0	0	0
ALLIANCE COL	47	0	0	0	0	0	0	47	0	0	0	0	0
ALLNTOWN COL ST FR DESALES	174	0	0	0	0	0	0	160	0	0	14	0	0
ALVERNIA COL	46	0	0	0	0	0	0	46	0	0	0	0	0
BEAVER COL	255	0	0	0	0	0	0	127	0	0	128	0	0
BLOOMSBURG STATE COL	405	0	0	0	0	0	0	405	0	0	0	0	0
BOYD HAWK COL	871	0	0	0	0	0	0	768	0	0	63	0	0
BUCKNELL UNIV	905	0	0	0	0	0	0	418	0	0	87	0	0
BUCKS COUNTY COMM COL	219	0	0	0	0	0	0	217	0	0	2	0	0
BUTLER COUNTY COMM COL	104	0	0	0	0	0	0	104	0	0	0	0	0
CABINET COL	40	0	0	0	0	0	0	40	0	0	0	0	0
CALIFORNIA STATE COL	1,343	0	0	0	0	0	0	1,043	0	0	0	0	0
CARLOW COLLEGE	407	0	0	0	0	0	0	390	0	0	17	0	0
CARNEGIE MELLON UNIV	10,331	0	1,505	0	2,897	0	0	1,964	0	139	3,541	135	4
CEGAR CREST COL	72	0	0	0	0	0	0	72	0	0	0	0	0
CHATHAM COL	146	0	0	0	0	0	0	147	0	0	0	0	0
CHESTNUT HILL COL	27	0	0	0	0	0	0	27	0	0	0	0	0
CHEVY STATE COL	1,290	0	0	0	0	0	0	1,083	0	0	247	0	0
CLARION STATE COL	919	0	0	0	0	0	0	896	0	0	43	0	0
COL MISCIPICORIA	148	0	0	0	0	0	0	148	0	0	0	0	0
COMM COL OF BEAVER COUNTY	149	0	0	0	0	0	0	149	0	0	0	0	0
COMM COL OF DELAWARE CNTY	491	0	0	0	3	0	0	491	0	0	0	0	0
COMM COL OF PHILADELPHIA	1,076	0	0	0	0	0	0	1,076	0	0	0	0	0
DEL VALLEY COL SCI & AGR	303	0	0	0	0	0	0	303	0	0	0	0	0
DICKINSON COL	262	0	0	0	0	0	0	264	0	0	18	0	0
DREXEL UNIVERSITY	9,123	0	0	0	434	0	523	1,380	0	176	510	0	0
EDUPSTE UNIVERSITY	19	0	0	0	0	0	0	19	0	0	0	0	0
EDUPSTE UNIV	1,047	0	0	0	0	0	0	1,059	0	0	0	0	0
EAST STRONDSBURG STATE COL	401	0	0	0	0	0	0	401	0	0	21	0	0
EASTERN BAPTIST COL	214	0	0	0	0	0	0	214	0	0	0	0	0
EDINBURGH STATE COL	664	0	0	0	0	0	0	619	0	0	49	0	0
ELIZABETHTOWN COL	234	0	0	0	0	0	0	153	0	0	41	0	0
ELLEN CUSHING JR COL	66	0	0	0	0	0	0	66	0	0	0	0	0
FRANKLIN AND MARSHALL COL	843	0	0	0	0	0	0	452	0	0	241	150	0
GANNON COL	816	0	0	0	0	0	0	781	0	0	35	0	0
GENEVA COL	119	0	0	0	0	0	0	108	0	0	11	0	0
GETTYSBURG COL	44	0	0	0	0	0	0	44	0	0	0	0	0
GWYNEDD-MERCY COL	166	0	0	0	0	0	0	166	0	0	0	0	0
HANNEWMANN MEN COL & 40SP	8,330	0	0	0	386	0	0	7,971	0	0	53	0	0
HARRISBURG AREA COMM COL	41	0	0	0	0	0	0	41	0	0	0	0	0
HARRISBURG COL	924	0	0	0	0	0	0	482	0	0	442	0	0
HOLY FAMILY COL	34	0	0	0	0	0	0	31	0	0	3	0	0
IMMACULATE COL	131	0	0	0	0	0	0	131	0	0	0	0	0
INDIANA UNIV OF PA	2,352	0	0	0	0	0	0	2,357	0	0	25	0	0
JUNIATA COL	157	0	0	0	0	0	0	157	0	0	25	0	0
KEYSTONE JR COL	187	0	0	0	0	0	0	182	0	0	5	0	0
KINGS COL	442	0	0	0	0	0	0	421	0	0	21	0	0
KUTZTOWN STATE COL	296	0	0	0	0	0	0	296	0	0	0	0	0
LA ROCHE COL	149	0	0	0	0	0	0	149	0	0	0	0	0
LACKAWANNA JR COL	56	0	0	0	0	0	0	56	0	0	0	0	0
LAFAYETTE COL	74	0	0	0	0	0	0	71	0	0	3	0	0
LASALLE COL	424	0	0	0	0	0	0	421	0	0	3	0	0
LEBANON VALLEY COL	385	0	0	0	0	0	0	385	0	0	0	0	0
LEHIGH CO COMMUNITY COL	259	0	0	0	0	0	0	259	0	0	0	0	0
LEHIGH UNIV	1,255	0	16	152	445	0	0	747	124	239	1,178	0	0
LINCOLN UNIV	1,949	0	20	0	0	0	0	1,926	0	0	0	0	0
LOCK HAVEN STATE COL	513	0	0	0	0	0	0	483	0	0	30	0	0
LUTHERAN THEOL SEMINARY	55	0	0	0	0	0	0	55	0	0	0	0	0
LUTHERAN THEOL SEMINARY	22	0	0	0	0	0	0	22	0	0	0	0	0
LUZERNE COUNTY COMM COL	69	0	0	0	0	0	0	69	0	0	0	0	0
LYCOMING COL	140	0	0	0	0	0	0	136	0	0	4	0	0
MANOR JR COL	9	0	0	0	0	0	0	9	0	0	0	0	0
MANSFIELD STATE COL	312	0	0	0	0	0	0	295	0	0	17	0	0
MARYWOOD COL	741	0	0	0	0	0	0	741	0	0	0	0	0
MEDICAL COLLEGE OF PA	3,402	0	0	0	0	0	0	3,456	0	0	46	0	0
MERCYHURST COL	149	0	0	0	0	0	0	166	0	0	23	0	0
MESSIAH COL	664	0	0	0	0	0	0	623	0	0	1	0	0
MILLERSVILLE STATE COL	322	0	0	0	0	0	0	381	0	0	21	0	0
MONTGOMERY CNTY COMM COL	346	0	0	0	0	0	0	386	0	0	0	0	0
MORAVIAN COL	121	0	0	0	0	0	0	97	0	0	24	0	0
MT ALOYSIUS JR COL	91	0	0	0	0	0	0	91	0	0	0	0	0
MUHLBERG COL	86	0	0	0	0	0	0	51	0	0	35	0	0
NEW CASTLE BUSINESS COL	71	0	0	0	0	0	0	73	0	0	0	0	0
NORTHAMPTON CNTY COMM COL	498	0	0	0	0	0	0	498	0	0	0	0	0
NORTHWEST CHRISTN JR COL	57	0	0	0	0	0	0	57	0	0	0	0	0
OUR LADY OF ANGELS COL	21	0	0	0	0	0	0	21	0	0	0	0	0
PA COL OF PODIATRIC MED	343	0	0	0	0	0	0	343	0	0	0	0	0

TABLE 8-28
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	HEC	COM	DOO	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
PENNSYLVANIA													
PETROF JR COL	67	0	0	0	0	0	0	67	0	0	0	0	0
PENN WESLEYAN COLLEGE	71	0	0	0	0	0	0	71	0	0	0	0	0
PENNSYLVANIA COL OPTOMFY	431	0	0	0	0	0	0	431	0	0	0	0	0
PENNSYLVANIA STATE UNIV	24,411	4,000	246	42	1,181	0	459	11,359	756	747	1,669	159	101
PHILA COL OF PHARM & SCI	579	0	0	0	0	0	0	572	0	0	7	0	0
PHILA COL OF TEXT & SCI	107	0	0	0	0	0	0	94	0	0	9	0	0
PHILA COL OSTEOPATHIC MED	1,426	0	0	0	0	0	0	1,426	0	0	0	0	0
PHILADELPHIA COL OF ART	163	0	0	0	0	0	0	103	0	0	0	0	0
PHILADELPHIA COL OF BIBLE	174	0	0	0	0	0	0	174	0	0	0	0	0
PHILADELPHIA MUSICAL ACADEMY	40	0	0	0	0	0	0	40	0	0	0	0	0
PHILCO TECHNICAL INST	21	0	0	0	0	0	0	21	0	0	0	0	0
POINT PAIR COL	261	0	0	0	0	0	0	261	0	0	0	0	0
ROBERT MORRIS COLLEGE	424	0	0	0	0	0	0	424	0	0	0	0	0
ROSENTHAL COL	50	0	0	0	0	0	0	50	0	0	0	0	0
SETON HILL COL	319	0	0	0	0	0	0	271	0	0	48	0	0
SHIPPENSBURG STATE COL	176	0	0	0	0	0	0	173	0	0	3	0	0
SLIPPERY ROCK STATE COL	741	0	0	0	0	0	0	674	0	0	67	0	0
SPRING GARDEN COLLEGE	36	0	0	0	0	0	0	36	0	0	0	0	0
ST CHARLES BORDOMEO SEM	90	0	0	0	0	0	0	90	0	0	0	0	0
ST FIDELIS COLLEGE	29	0	0	0	0	0	0	29	0	0	0	0	0
ST FRANCIS COL	254	0	0	0	0	0	0	254	0	0	0	0	0
ST JOSEPHS COL	207	0	0	0	10	0	0	197	0	0	0	0	0
ST VINCENT COL	206	0	0	0	0	0	0	206	0	0	0	0	0
SUSQUEHANNA UNIV	246	0	0	0	0	0	0	274	0	0	10	0	0
SWARTHMORE COL	666	0	0	0	0	0	0	711	0	15	640	0	0
TEMPLE UNIV	19,029	0	62	0	204	0	7	18,661	0	31	744	0	72
THIEL COL	292	0	0	0	0	0	0	262	0	0	30	0	0
THOS JEFFERSON UNIV HOSP	9,704	0	96	0	12	0	0	9,617	0	0	40	0	0
UNIV OF PENNSYLVANIA	46,875	55	1,564	47	1,979	292	47	33,972	197	132	6,688	178	124
UNIV OF PITTSBURGH	20,731	0	166	0	1,167	0	74	23,453	149	639	3,801	0	44
UNIV OF SPRANTON	711	0	0	0	0	0	0	650	0	0	51	0	0
URSINUS COL	114	0	0	0	0	0	0	114	0	0	0	0	0
UTLA MARTA COL	214	0	0	0	0	0	0	215	0	0	19	0	0
VILLANOVA UNIV	448	0	0	0	20	0	0	388	0	0	40	0	0
WASHINGTON & JEFFERSON COL	60	0	0	0	0	0	0	67	0	0	13	0	0
WAYNESBURG COL	92	0	0	0	0	0	0	86	0	0	6	0	0
WEST CHESTER STATE COL	654	0	0	0	0	0	0	629	0	0	25	0	0
WESTMINSTER COL	246	0	0	0	0	0	0	261	0	0	21	0	0
WIDENER COLLEGE	102	0	0	0	0	0	0	291	0	0	11	0	0
WILKES COL	1,164	0	0	0	0	0	0	1,166	0	0	54	0	0
WILLIAMSPORT AREA COM COL	201	0	0	0	0	0	0	144	0	0	17	0	0
WILSON COL	71	0	0	0	0	0	0	39	0	0	32	0	0
YORK COL OF PENNSYLVANIA	164	0	0	44	0	0	0	120	0	0	0	0	0
RHODE ISLAND, TOTAL	21,671	1,070	607	1,336	2,046	0	175	9,841	215	204	6,144	13	0
BARRINGTON COL	454	0	0	0	0	0	0	458	0	0	0	0	0
BROWN UNIV	10,112	0	592	100	479	0	0	4,440	60	204	4,057	0	0
CRYANT COL	410	0	0	0	0	0	0	410	0	0	0	0	0
JOHNSON & WALES COLLEGE	107	0	0	0	0	0	0	107	0	0	0	0	0
MT ST JOSEPH COL	19	0	0	0	0	0	0	19	0	0	0	0	0
PROVIDENCE COL	446	0	0	0	0	0	0	470	0	0	26	0	0
RHODE ISLAND COL	794	0	0	0	0	0	0	670	0	0	124	0	0
RHODE ISLAND JR COL	262	0	0	0	0	0	0	262	0	0	0	0	0
RHODE ISLAND SCH DESIGN	166	0	0	0	14	0	0	152	0	0	0	0	0
ROSEB WILLIAMS COLLEGE	509	0	0	0	0	0	0	509	0	0	0	0	0
SALVE REGINA COL	143	0	0	0	0	0	0	137	0	0	6	0	0
SEMINARY OUR LADY OF PROV	19	0	0	0	0	0	0	19	0	0	0	0	0
UNIV OF RHODE ISLAND	7,756	1,070	15	1,216	1,153	0	195	1,984	155	0	1,931	13	0
SOUTH CAROLINA, TOTAL													
ALLEN UNIV	1,037	0	0	0	0	0	0	1,035	0	0	2	0	0
ANDERSON COL	5	0	0	0	0	0	0	5	0	0	0	0	0
BAPTIST COL AT CHARLESTON	972	0	0	0	0	0	0	572	0	0	0	0	0
BENEDICT COL	1,723	0	0	0	0	0	0	1,723	0	0	0	0	0
BOB JONES UNIV	2	0	0	0	0	0	0	2	0	0	0	0	0
BRKLYN-CH-DRCHSTR TE ED CO	94	0	0	0	0	0	0	94	0	0	0	0	0
CENTRAL WESLEYAN COL	646	0	0	0	0	0	0	646	0	0	0	0	0
CHESTERFIELD-HAR TECH CTR	12	0	0	0	0	0	0	12	0	0	0	0	0
CITADEL THE MILIT COL S C	27	0	0	0	0	0	0	17	0	0	10	0	0
CLAPLIN COL	791	0	0	0	0	0	0	749	0	0	2	0	0
CLEMSON UNIV	5,349	5,712	0	0	254	0	51	256	187	36	283	4	0
COKER COL	121	0	0	0	0	0	0	121	0	0	0	0	0
COL OF CHARLESTON	174	0	0	0	0	0	0	174	0	0	0	0	0
COLUMBIA COL	130	0	0	0	0	0	0	130	0	0	0	0	0
ERSKINE COL	262	0	0	0	0	0	0	262	0	0	0	0	0
FRANCIS MARION COLLEGE	146	0	0	0	0	0	0	146	0	0	0	0	0

TABLE B-28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOO	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
SOUTH CAROLINA													
FRIENDSHIP JR COL	118	0	0	0	0	0	0	115	0	0	3	0	0
FURMAN UNIV	239	0	0	0	0	0	0	177	0	0	62	0	0
GREENVILLE TECH ED CTR	273	0	0	0	0	0	9	264	0	0	0	0	0
MORRY-GORRYN TECH ED CTR	36	0	0	0	0	0	0	36	0	0	0	0	0
LANDER COL	235	0	0	0	0	0	3	235	0	0	0	0	0
LINESTONE COL	45	0	0	0	0	0	3	45	0	0	0	0	0
MED UNIV OF S CAROLINA	8,258	0	0	0	149	0	249	7,429	0	0	31	0	0
MIDLANDS TECH EDU CENTER	112	0	0	0	0	0	0	112	0	0	0	0	0
MORRIS COL	803	0	0	0	0	0	0	803	0	0	0	0	0
NEWBERRY COL	32	0	0	0	0	0	0	32	0	0	0	0	0
NORTH GREENVILLE JR COL	45	0	0	0	0	0	0	45	0	0	0	0	0
ORNGRSG-CALHM TECH ED CTR	88	0	0	0	0	0	0	88	0	0	0	0	0
PALMER COLLEGE	588	0	0	0	0	0	0	888	0	0	0	0	0
PIEDMONT TECH ED CTR	104	0	0	0	0	0	0	104	0	0	0	0	0
PRESBYTERIAN COL	150	0	0	0	0	0	0	141	0	0	9	0	0
RENCE-CHARLINGTON TECH SCH	135	0	0	0	0	0	0	105	0	0	0	0	0
SOUTH CAROLINA STATE COL	1,815	787	0	0	0	0	0	1,030	0	0	79	0	0
SPARTANBURG JR COL	61	0	0	0	0	0	0	61	0	0	0	0	0
SPRINGBROOK CTRY TECH ED CTR	91	0	0	0	0	0	0	82	0	0	9	0	0
SUMTER AREA TECH ED CTR	54	0	0	0	0	0	0	54	0	0	0	0	0
TRI-COUNTY TECH ED CTR	55	0	0	0	0	0	0	55	0	0	0	0	0
UNIV OF SOUTH CAROLINA	8,109	0	55	3	106	0	51	6,748	0	65	1,022	59	0
WORTHLES COL	920	0	0	0	0	0	0	918	0	0	2	0	0
WINTHROP COL	231	0	0	0	0	0	0	231	0	0	0	0	0
WOFFORD COL	119	0	0	0	0	0	0	118	0	0	0	0	0
YORK COUNTY TECH ED CTR	39	0	0	0	0	0	0	39	0	0	0	0	0
SOUTH DAKOTA, TOTAL	16,279	2,343	43	20	105	0	52	11,483	1,104	11	1,103	15	0
AUGUSTANA COL	576	0	0	0	0	0	0	566	0	0	110	0	0
BLACK HILLS STATE COL	928	0	0	0	0	0	0	928	0	0	0	0	0
DAKOTA STATE COLLEGE	425	0	0	0	0	0	0	425	0	0	0	0	0
DAKOTA WESLEYAN UNIV	137	0	0	0	0	0	0	137	0	0	0	0	0
FREEMAN JR COL	7	0	0	0	0	0	3	7	0	0	0	0	0
HURON COL	566	0	0	0	0	0	0	566	0	0	0	0	0
MT MARY COL	349	0	0	0	0	0	0	295	0	0	54	0	0
NAT COLLEGE OF BUSINESS	45	0	0	0	0	0	0	45	0	0	0	0	0
NORTHERN STATE COL	496	0	0	0	0	0	0	496	0	0	0	0	0
PRESENTATION COL	94	0	0	0	0	0	0	94	0	0	0	0	0
SIOUX FALLS COL	212	0	3	0	0	0	0	176	0	0	36	0	0
SOUTH DAK SCH MINES TECH	1,231	0	0	20	91	0	0	147	741	6	226	0	0
SOUTH DAKOTA STATE UNIV	7,947	2,343	11	0	14	0	50	974	363	5	187	0	0
SOUTHERN STATE COL	109	0	0	0	3	0	0	109	0	0	0	0	0
UNIV OF SOUTH DAKOTA	6,896	0	32	0	0	0	2	6,355	0	0	490	15	0
YANKTON COL	163	0	0	0	0	0	0	163	0	0	0	0	0
TENNESSEE, TOTAL	45,661	7,802	1,741	142	863	55	171	69,944	378	411	4,610	349	85
AQUINAS JR COL	16	0	0	0	0	0	0	16	0	0	0	0	0
AUSTIN PEAY STATE UNIV	354	0	0	0	0	0	0	326	0	0	28	0	0
BELMONT COL	120	0	0	0	0	0	3	120	0	0	0	0	0
BETHEL COL	79	0	0	0	0	0	79	79	0	0	0	0	0
BYHAM COLLEGE	90	0	0	0	0	0	0	90	0	0	0	0	0
CARSON-NEWMAN COL	269	0	0	0	0	0	0	251	0	0	18	0	0
CHATTANOOGA ST TECH INST	54	0	0	0	0	0	0	54	0	0	0	0	0
CHRISTIAN BROTHERS COL	461	0	0	0	0	0	0	362	0	0	79	0	0
CLEVELAND STATE COMM COL	170	0	0	0	0	0	0	168	0	0	2	0	0
COLUMBIA STATE COMM COL	170	0	0	0	0	0	0	170	0	0	0	0	0
CUMBERLAND COL OF TENN	71	0	0	0	0	0	0	71	0	0	0	0	0
DAVID LIPSCOMB COL	140	0	0	0	0	0	0	123	0	0	17	0	0
OVERSBURG STATE COMM COL	137	0	0	0	0	0	0	137	0	0	0	0	0
EAST TENNESSEE STATE UNIV	1,644	0	0	0	3	0	0	1,626	0	0	22	0	0
FISK UNIV	1,526	0	0	0	0	0	0	1,434	0	0	92	0	0
FREED-HARDENMAN COL	192	0	0	0	0	0	3	192	0	0	0	0	0
GEORGE PEABODY COL THRS	2,043	0	0	0	0	0	0	1,908	0	0	135	0	0
HINASSEE COL	162	0	0	0	0	0	0	162	0	0	0	0	0
JACKSON STATE COMM COL	69	0	0	0	0	0	0	69	0	0	0	0	0
JOHNSON TIRLE COLLEGE	18	0	0	0	0	0	0	18	0	0	0	0	0
KING COL	42	0	0	0	0	0	3	42	0	0	0	0	0
KNOXVILLE COL	1,514	0	0	0	0	0	0	1,408	0	0	106	0	0
LANRUTH COL	200	0	0	0	0	0	0	199	0	0	1	0	0
LANE COL	2,037	0	0	0	0	0	0	1,796	0	0	241	0	0
LE MOYNE-OWEN COL	594	0	0	0	0	0	0	594	0	0	0	0	0
LEE COL	298	0	0	0	0	0	0	298	0	0	0	0	0
LINCOLN MEMORIAL UNIV	123	0	0	0	0	0	3	123	0	0	0	0	0
MARTIN COL	91	0	0	0	0	0	0	91	0	0	0	0	0
MARYVILLE COL	266	0	0	0	0	0	0	266	0	0	0	0	0
McKENZIE COL	106	0	0	0	0	0	0	106	0	0	0	0	0

TABLE B-28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	CON	DDO	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
TENNESSEE													
MEMPHIS MEDICAL COL	13,368	0	0	0	0	0	0	13,368	0	0	0	0	0
MEMPHIS ACADEMY OF ARTS	27	0	0	0	0	0	0	27	0	0	0	0	0
MEMPHIS STATE UNIV	1,922	0	0	55	79	0	0	1,663	0	0	48	0	75
MIDDLE TENN STATE UNIV	559	0	0	0	0	0	0	478	0	0	41	0	0
MILLIGAN COL	95	0	0	0	0	0	0	95	0	0	0	0	0
MORRISTOWN COL	446	0	0	0	0	0	0	446	0	0	0	0	0
MOTLOW STATE COMM COL	69	0	0	0	0	0	0	69	0	0	0	0	0
NASHVILLE STATE TECH INST	65	0	0	0	0	0	0	65	0	0	0	0	0
SCARBITT COL CHRISTN WKRS	6	0	0	0	0	0	0	6	0	0	0	0	0
SOUTHERN COL OF OPTOMETRY	492	0	0	0	0	0	0	492	0	0	0	0	0
SOUTHERN MISSIONARY COL	361	0	0	0	0	0	0	361	0	0	0	0	0
SOUTHWESTERN AT MEMPHIS	257	0	0	0	0	0	0	199	0	0	58	0	0
STATE TECH INST MEMPHIS	49	0	0	0	0	0	0	49	0	0	0	0	0
STEED COL	14	0	0	0	0	0	0	14	0	0	0	0	0
TENNESSEE STATE UNIV	1,275	876	11	0	0	0	0	2,132	0	0	56	0	0
TENNESSEE TECHNOLOGI UNIV	641	0	0	0	45	0	0	477	0	55	105	0	0
TENNESSEE TEMPLE COL	2	0	0	0	0	0	0	2	0	0	0	0	0
TENNESSEE WESLEYAN COL	60	0	0	0	0	0	0	60	0	0	0	0	0
TREVECCA NAZARENE COL	299	0	0	0	0	0	0	299	0	0	0	0	0
TUSCULUM COL	209	0	0	0	0	0	0	209	0	0	0	0	0
U OF TENN MED UNITS MEMPH	10,168	0	71	0	97	0	0	9,954	0	0	46	0	0
UNION UNIV	138	0	0	0	0	0	0	138	0	0	0	0	0
UNIV OF TENN AT CHATTNGA	1,878	0	0	77	0	0	0	1,410	0	0	22	149	0
UNIV OF TENN AT KNOXVILLE	16,417	6,925	1,920	0	465	68	29	6,416	378	256	753	0	10
UNIV OF TENN AT MARTIN	671	0	0	0	0	0	0	671	0	0	0	0	0
UNIV OF TENN GEN SYS	258	0	0	0	125	0	0	117	0	0	16	0	0
UNIV OF TENN, NASHVILLE	276	0	0	0	0	0	0	276	0	0	0	0	0
UNIV OF THE SOUTH	167	1	0	0	0	0	0	92	0	0	74	0	0
VANDERBILT UNIV	20,872	0	119	0	151	0	147	17,724	0	100	2,614	0	0
WALTERS STATE COMM COLL	71	0	0	0	0	0	0	71	0	0	0	0	0
TENNESSEE, TOTAL	159,823	12,787	2,900	1,770	9,654	2,571	744	136,195	699	7,827	13,750	785	1,291
TEXAS													
ABILENE CHRISTIAN COL	481	0	0	0	0	0	0	474	0	0	7	0	0
ALVIN JR COL	116	0	0	0	0	0	0	116	0	0	0	0	0
AMARILLO COL	59	0	0	0	0	0	0	55	0	0	4	0	0
ANGELINA COL	197	0	0	0	0	0	0	187	0	0	0	0	0
ANGELO STATE UNIVERSITY	330	0	0	0	0	0	0	330	0	0	0	0	0
AUSTIN COL	165	0	0	0	0	0	0	130	0	0	0	0	0
BAYLOR COL OF DENTISTRY	1,045	0	0	0	0	0	0	1,045	0	0	0	0	0
BAYLOR COL OF MEDICINE	17,155	0	0	0	107	0	100	16,518	0	164	62	0	0
BAYLOR UNIV	3,239	0	33	0	197	0	0	2,979	0	0	120	0	0
BEE COUNTY COL	142	0	0	0	0	0	0	142	0	0	0	0	0
BISHOP COL	2,542	0	0	0	27	0	0	2,468	0	0	107	0	0
BLINN COL	77	0	0	0	0	0	0	77	0	0	0	0	0
BRAZOSPORT JR COL	125	0	0	0	0	0	0	125	0	0	0	0	0
CENTRAL TEXAS COL	322	0	0	0	0	0	0	322	0	0	0	0	0
CHRISTIAN COL SOUTHWEST	13	0	0	0	0	0	0	13	0	0	0	0	0
CISCO JR COL	136	0	0	0	0	0	0	136	0	0	0	0	0
CLARENDON COL	141	0	0	0	0	0	0	141	0	0	0	0	0
COL OF THE MAINLAND	232	0	0	0	0	0	0	232	0	0	0	0	0
CONCORDIA LUTH COL OF TEX	24	0	0	0	0	0	0	24	0	0	0	0	0
COOKE COUNTY JR COL	443	0	0	0	0	0	0	443	0	0	0	0	0
DALLAS BAPTIST COL	367	0	0	0	0	0	0	360	0	0	2	0	0
DALLAS COUNTY JR COL DIST	1,041	0	0	0	0	0	0	1,078	0	0	2	0	0
DEL MAR COL	191	0	0	0	0	0	0	195	0	0	0	0	0
DOMINICAN COLLEGE	159	0	0	0	0	0	0	159	0	0	0	0	0
EAST TEXAS BAPTIST COL	247	0	0	0	0	0	0	287	0	0	0	0	0
EAST TEXAS STATE UNIV	516	0	0	0	0	0	0	454	0	0	58	0	0
EL PASO COMMUNITY COLLEGE	356	0	0	0	0	0	0	366	0	0	0	0	0
FORT WORTH CHRISTIAN COL	13	0	0	0	0	0	0	13	0	0	0	0	0
FRANK PHILLIPS COL	27	0	0	0	0	0	0	27	0	0	0	0	0
GALVESTON COLLEGE	232	0	0	0	0	0	0	232	0	0	0	0	0
GRAYSON COUNTY JR COL	211	0	0	0	0	0	0	211	0	0	0	0	0
GULF COAST RIBLE COL	29	0	0	0	0	0	0	29	0	0	0	0	0
HARDIN-SIMMONS UNIV	427	0	0	0	0	0	0	427	0	0	0	0	0
HENDERSON COUNTY JR COL	146	0	0	0	0	0	0	185	0	0	0	0	0
HILL JR COL	98	0	0	0	0	0	0	98	0	0	0	0	0
HOUSTON BAPTIST COL	291	0	0	0	0	0	0	260	0	20	11	0	0
HOWARD COUNTY JR COL	145	0	0	0	0	0	0	145	0	0	0	0	0
HOWARD PAYNE COL	195	0	0	0	0	0	0	195	0	0	0	0	0
HUSTON-TILLOTSON COL	996	0	0	0	0	0	0	996	0	0	0	0	0
INCARNATE WORD COL	545	0	0	0	0	0	0	574	0	0	11	0	0
JACKSONVILLE COL	30	0	0	0	0	0	0	30	0	0	0	0	0
JARVIS CHRISTIAN COLLEGE	1,124	0	0	0	0	0	0	1,124	0	0	0	0	0
KILGORE COL	229	0	0	0	0	0	0	229	0	0	0	0	0
LAMAR UNIVERSITY	723	0	0	0	0	297	0	320	0	9	97	0	0
LAREDO JR COL	401	0	0	0	0	0	0	401	0	0	0	0	0

TABLE B-28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AFC	COM	DOO	OFO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
TEXAS													
LFE COL	93	0	0	0	0	0	0	93	0	0	0	0	0
LETOURNEAU COL	227	0	0	0	0	0	0	227	0	0	0	0	0
LON MORRIS COL	58	0	0	0	0	0	0	58	0	0	0	0	0
LUBBOCK CHRISTIAN COL	221	0	0	0	0	0	0	220	0	0	1	0	0
MARY HARRIN-BAYLOR COL	218	0	0	0	0	0	0	218	0	0	0	0	0
MCLENNAN COMM COL	103	0	0	0	0	0	0	101	0	0	2	0	0
MCHURRY COL	335	0	0	0	0	0	0	333	0	0	2	0	0
MIDWESTERN UNIV	320	0	0	0	0	0	0	318	0	0	2	0	0
NAVARRO JP COL	125	0	0	0	0	0	0	125	0	0	0	0	0
NORTH TEXAS STATE UNIV	1,370	0	0	0	0	0	11	1,215	0	51	93	0	10
ODESSA COL	270	0	0	0	0	0	0	270	0	0	0	0	0
OUR LADY OF THE LAKE COL	1,298	0	0	0	0	0	0	1,298	0	0	0	0	0
PAN AMERICAN UNIVERSITY	2,073	0	0	0	0	649	0	1,587	0	0	2	35	0
PANOLA COL	221	0	0	0	0	0	0	221	0	0	0	0	0
PARIS JP COL	309	0	0	0	0	0	0	309	0	0	0	0	0
PAUL QUINN COL	1,188	0	0	0	0	0	0	1,188	0	0	0	0	0
PRAIRIE VIEW A & M COL	4,033	1,081	0	0	0	40	0	2,792	0	51	37	0	0
RANGER JP COL	350	0	0	0	0	0	0	350	0	0	0	0	0
RICE UNIV	5,991	0	734	0	441	0	0	1,735	0	994	1,911	0	155
SAM HOUSTON STATE UNIV	374	0	0	0	0	0	0	369	0	0	74	0	0
SAM ANTONIO COL	872	0	0	0	0	0	0	870	0	0	2	0	0
SAM JACINTO COL	60	0	0	0	0	0	0	60	0	0	0	0	0
SOUTH PLAINS COL	257	0	0	0	0	0	0	257	0	0	0	0	0
SOUTH TEXAS JR COL	173	0	0	0	0	0	0	173	0	0	0	0	0
SOUTHERN METHODIST UNIV	2,212	0	0	15	808	0	27	491	85	75	636	0	75
SOUTHWEST TEXAS JP COL	236	0	0	0	0	0	0	236	0	0	0	0	0
SOUTHWEST TEXAS ST UNIV	326	0	13	0	0	0	0	304	0	0	9	0	0
SOUTHWESTERN UNION COL	84	0	0	0	0	0	0	84	0	0	0	0	0
SOUTHWESTERN UNIV	14	0	0	0	0	0	0	12	0	0	2	0	0
SOUTHWESTERN ASSEMB GOD COL	12	0	0	0	0	0	0	12	0	0	0	0	0
SOUTHWESTERN CHRISTIAN COL	195	0	0	0	0	0	0	195	0	0	0	0	0
ST EDWARDS UNIV	183	0	0	0	0	257	0	126	0	0	0	0	0
ST MARYS UNIV SAN ANTONIO	1,113	0	0	0	0	0	0	1,108	0	0	5	0	0
STEPHEN F AUSTIN ST UNIV	653	62	0	0	0	0	0	542	0	40	9	0	0
SUL ROSS STATE UNIV	413	0	0	0	0	0	0	384	0	0	29	0	0
TARLETON STATE COL	113	0	0	0	0	0	0	113	0	0	0	0	0
TARRANT COUNTY JP COL	878	0	0	0	0	0	0	872	0	0	6	0	0
TEMPLE JP COL	166	0	0	0	0	0	0	166	0	0	0	0	0
TEXARKANA COL	115	0	0	0	0	0	0	115	0	0	0	0	0
TEXAS A & M UNIV	21,301	11,501	641	1,640	1,430	0	254	2,056	211	764	2,403	356	0
TEXAS A&M UNIV CFM SYS	1,257	17	0	0	0	0	30	88	289	0	0	0	833
TEXAS ARTS & INDUST UNIV	996	0	0	0	0	0	0	987	0	0	9	0	0
TEXAS CHRISTIAN UNIV	1,171	0	0	0	54	0	0	1,027	0	31	69	0	0
TEXAS COL	1,162	0	0	0	0	0	0	1,162	0	0	0	0	0
TEXAS COL OF OSTEO 4PD	511	0	0	0	0	0	0	511	0	0	0	0	0
TEXAS LUTHERAN COL	257	0	0	0	0	0	0	250	0	0	7	0	0
TEXAS SOUTHERN UNIV	2,765	0	0	0	0	0	0	2,649	0	0	116	0	0
TEXAS SOUTHWEST COL	292	0	0	0	0	0	0	290	0	0	2	0	0
TEXAS STATE TECH INST	620	0	0	0	0	0	0	612	0	0	8	0	0
TEXAS TECH UNIVERSITY	2,524	18	4	0	206	0	0	1,792	66	88	360	0	13
TEXAS WESLEYAN COL	38	0	0	0	0	0	0	38	0	0	0	0	0
TEXAS WOMANS UNIV	1,944	116	0	0	0	0	0	1,812	0	1	15	0	0
TRINITY UNIV	946	0	0	0	25	0	0	863	0	35	63	0	0
TYLER JP COL	33	0	0	0	0	0	0	33	0	0	0	0	0
U DENT BRANCH HOUSTON	1,665	0	0	0	0	0	0	1,622	0	43	0	0	0
U OF TEX GRAD SCH MED SCI	848	0	0	0	0	0	0	858	0	0	40	0	0
U OF TEX MED SCH SAN ANT	4,607	0	0	0	150	719	0	3,698	0	26	70	0	0
U TEX HOUSTON MED SCHOOL	1,101	0	0	0	0	0	0	1,064	0	0	37	0	0
U TEX MD ANDRSON HOSPITAL	14,636	0	61	0	66	0	0	14,308	0	76	125	0	0
U TEX MED RONCH GALVESTON	8,234	0	0	0	0	0	0	8,009	0	190	35	0	0
U TEX NURS SCH (UNIV-WIDE)	642	0	0	0	0	0	0	682	0	0	0	0	0
U TEX SCH PUB HLTH HOUSTON	887	0	0	0	0	0	0	878	0	189	20	0	0
U TEX SCH ANTONIO DENT SCH	136	0	0	0	0	0	0	136	0	0	0	0	0
U TEX SW MED SCH DALLAS	11,554	0	7	0	191	0	0	11,237	0	77	42	0	0
UNIV OF CORPUS CHRISTI	793	0	0	0	0	0	0	293	0	0	0	0	0
UNIV OF DALLAS	152	0	0	0	0	24	0	128	0	0	0	0	0
UNIV OF HOUSTON	7,765	0	172	0	136	334	17	4,527	36	1,164	1,179	240	10
UNIV OF PLANO	17	0	0	0	0	0	0	17	0	0	0	0	0
UNIV OF ST THOMAS	329	0	0	0	45	0	0	259	0	0	25	0	0
UNIV OF TEXAS ARLINGTON	876	0	0	0	0	0	0	860	0	0	36	0	0
UNIV OF TEXAS AT AUSTIN	22,761	0	1,087	27	5,354	212	189	9,595	32	1,239	4,673	154	195
UNIV OF TEXAS AT DALLAS	4,148	0	0	38	151	0	0	1,066	0	2,100	793	0	0
UNIV OF TEXAS AT EL PASO	3,355	0	3	0	215	239	111	2,691	0	0	96	0	0
UNIV OF TEXAS GEN SYS	2,535	0	0	0	137	0	0	2,288	0	0	110	0	0
WAYLAND BAPTIST COL	252	0	0	0	0	0	0	250	0	0	2	0	0
WEATHERFORD COL	71	0	0	0	0	0	0	71	0	0	0	0	0
WEST TEXAS STATE UNIV	840	0	0	0	0	0	0	831	0	0	9	0	0
WESTERN TEXAS COLLEGE	226	0	0	0	0	0	0	226	0	0	0	0	0

TABLE B-28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOE	DEF	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
TEXAS													
WHARTON COUNTY JR COL	421	0	0	0	0	0	0	421	0	0	0	0	0
WILEY COL	851	0	0	0	0	0	0	854	0	0	167	0	0
UTAH, TOTAL	47,170	1,812	1,504	227	4,420	0	397	10,249	1,356	1,104	5,144	311	402
BRIGHAM YOUNG UNIV	1,259	51	7	12	179	0	0	548	60	32	350	0	0
COLLEGE OF EASTERN UTAH	244	0	0	0	0	0	0	248	0	0	0	0	0
DEVIL COL	219	0	0	0	0	0	0	219	0	0	0	0	0
SNOW COLLEGE	250	0	0	0	0	0	0	260	0	0	0	0	0
SOUTHERN UTAH STATE COLL	572	0	0	0	0	0	0	493	0	0	0	0	0
STEVENS HENAGER COL	137	0	0	0	0	0	0	137	0	0	0	0	0
UNIV OF UTAH	12,342	2	1,445	168	2,340	0	219	24,079	417	1,032	2,719	111	110
UTAH HIGHWAY ED CEN SYS	50	0	0	0	0	0	0	50	0	0	0	0	0
UTAH STATE UNIV	10,401	1,755	52	27	2,201	0	178	2,355	479	40	2,122	200	692
UTAH TECHNICAL COL-PROVO	114	0	0	0	0	0	0	114	0	0	0	0	0
UTAH TECHNICAL COL-SLT LK	324	0	0	0	0	0	0	324	0	0	0	0	0
WEBER STATE COL	1,114	4	0	0	0	0	0	1,296	0	0	0	0	0
WESTMINSTER COL	122	0	0	0	0	0	0	122	0	0	0	0	0
VERMONT, TOTAL	11,416	1,410	21	0	376	0	69	10,698	100	15	501	146	0
BENNINGTON COL	123	0	0	0	0	0	0	123	0	0	22	0	0
CASTLETON STATE COL	227	0	0	0	0	0	0	227	0	0	0	0	0
CHAMPLAIN COL	96	0	0	0	0	0	0	96	0	0	0	0	0
COL OF ST JOSEPH THE PROV	24	0	0	0	0	0	0	24	0	0	0	0	0
GOODARD COL	440	0	0	0	0	0	0	440	0	0	0	0	0
GREEN MOUNTAIN COL	6	0	0	0	0	0	0	6	0	0	0	0	0
JOHNSON STATE COL	529	0	0	0	0	0	0	529	0	0	0	0	0
LYNDON STATE COL	305	0	0	0	0	0	0	305	0	0	0	0	0
MARLBORO COL	17	0	0	0	0	0	0	17	0	0	0	0	0
MIDDLEBURY COL	255	0	0	0	0	0	0	255	0	0	0	0	0
NORWICH UNIV	224	0	0	0	0	0	0	224	0	0	0	0	0
ST JOSEPH COL	40	0	0	0	0	0	0	40	0	0	0	0	0
ST MICHAELS COL	145	0	0	0	0	0	0	145	0	0	0	0	0
TRINITY COL	50	0	0	0	0	0	0	50	0	0	10	0	0
UNIV OF VERMONT	10,214	1,410	21	0	376	0	65	7,441	100	15	244	146	0
VERMONT COL	70	0	0	0	0	0	0	70	0	0	0	0	0
VERMONT TECHNICAL COL	135	0	0	0	0	0	0	135	0	0	0	0	0
WINDHAM COL	194	0	0	0	0	0	0	172	0	0	26	0	0
VIRGINIA, TOTAL	59,285	6,909	911	105	1,305	0	113	41,739	475	2,335	4,174	443	575
AVERETT COL	109	0	0	0	0	0	0	103	0	0	6	0	0
BLUE RIDGE COMMUNITY COL	46	0	0	0	0	0	0	46	0	0	0	0	0
BRIDGEWATER COL	97	0	0	0	0	0	0	97	0	0	0	0	0
CENTRAL VIRGINIA COMM COL	114	0	0	0	0	0	0	114	0	0	0	0	0
COL OF WILLIAM AND MARY	743	0	0	0	0	0	0	263	0	319	201	0	0
COLLEGE OF THE POTOMAC	31	0	0	0	0	0	0	31	0	0	0	0	0
JARNEY LANCASTER COMM COL	145	0	0	0	0	0	0	145	0	0	0	0	0
DANVILLE COMM COL	55	0	0	0	0	0	0	55	0	0	0	0	0
EASTERN MENNONITE COL	545	0	0	0	0	0	0	545	0	0	0	0	0
EASTERN SHORE CMTY COLL	57	0	0	0	0	0	0	57	0	0	0	0	0
EMORY & HENRY COL	100	0	0	0	0	0	0	100	0	0	0	0	0
FERRIS JR COL	263	0	0	0	0	0	0	263	0	0	0	0	0
GEORGE MASON UNIVERSITY	54	0	0	0	0	0	0	36	0	0	0	0	0
GERMANNA CMTY COLLEGE	95	0	0	0	0	0	0	95	0	0	0	0	0
HAMPSHIRE-SYDNEY COL	325	0	0	0	0	0	0	307	0	26	89	0	0
HAMPTON INST	2,044	0	0	0	0	0	0	1,933	0	0	18	0	0
HOLLINS COL	54	0	0	0	0	0	0	50	0	0	0	0	0
JOHN TYLER COMM COL	157	0	0	0	0	0	0	157	0	0	0	0	0
LONGWOOD COL	133	0	0	0	0	0	0	133	0	0	0	0	0
LORD FAIRFAX CMTY COLLEGE	146	0	0	0	0	0	0	146	0	0	0	0	0
LYNCHBURG COL	266	0	0	0	0	0	0	266	0	0	0	0	0
MADISON COL	264	0	0	0	0	0	0	262	0	0	2	0	0
MARY BALDWIN COL	20	0	0	0	0	0	0	18	0	0	0	0	0
MARYMOUNT COL	62	0	0	0	0	0	0	62	0	0	0	0	0
MOUNTAIN EMPIRE CMTY COLL	120	0	0	0	0	0	0	120	0	0	0	0	0
NORFOLK STATE COL	2,621	0	0	0	0	0	0	2,560	0	0	61	0	0
NORTHERN VIRGINIA COMM CO	454	0	0	0	0	0	0	454	0	0	0	0	0
OLD DOMINION UNIV	1,391	0	0	0	0	0	0	409	3	798	124	0	0
PATRICK HENRY CMTY COLL	10	0	0	0	0	0	0	10	0	0	0	0	0
PAUL D CAMP CMTY COLLEGE	40	0	0	0	0	0	0	40	0	0	0	0	0
PIEDMONT VA CMTY COLLEGE	45	0	0	0	0	0	0	45	0	0	0	0	0
PRES SCH OF CHRISTIAN ED	17	0	0	0	0	0	0	17	0	0	0	0	0
RADFORD COL	552	0	0	0	0	0	0	551	0	0	0	0	0
RANDOLPH-MACON COL	51	0	0	0	0	0	0	51	0	0	0	0	0
RANDOLPH-MACON WOMANS COL	131	0	0	0	0	0	0	66	0	0	65	0	0
RAPPAHANNOCK CMTY COLLEGE	45	0	0	0	0	0	0	45	0	0	0	0	0

TABLE BL28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	DOE	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
VIRGINIA													
ROANOKE COL	226	0	14	0	0	0	0	188	0	0	24	0	0
SHENANDOAH COL	257	0	0	0	0	0	0	257	0	0	0	0	0
SOUTHERN SEMINARY JR COL	309	0	0	0	0	0	0	309	0	0	0	0	0
SOUTHSIDE VA CNTY COLLEGE	144	0	0	0	0	0	0	144	0	0	0	0	0
SOUTHWEST VA COMM COL	506	0	0	0	0	0	0	506	0	0	0	0	0
ST PAULS COL	1,000	0	0	0	0	0	0	1,000	0	0	0	0	0
STRATFORD COL	259	0	0	0	0	0	0	259	0	0	0	0	0
SULLY COL	1	0	0	0	0	0	0	1	0	0	0	0	0
THOMAS NELSON COMM COL	120	0	0	0	0	0	0	120	0	0	0	0	0
TIDEWATER COMMUNITY COL	234	0	0	0	0	0	0	234	0	0	0	0	0
UNIV OF RICHMOND	144	0	0	0	0	0	0	129	0	0	15	0	0
UNIV OF VIRGINIA	16,174	0	787	33	722	0	14	12,250	61	474	1,405	0	0
VA COMMONWEALTH UNIV	10,048	0	49	0	23	0	0	9,735	0	133	144	0	0
VA HIGHLANDS COMM COL	265	0	0	0	0	0	0	265	0	0	0	0	0
VIRGINIA COLLEGE	106	0	0	0	0	0	0	106	0	0	0	0	0
VIRGINIA INTERMONT COL	50	0	0	0	0	0	0	50	0	0	0	0	0
VIRGINIA MILITARY INST	45	0	0	0	54	0	0	22	0	0	9	0	0
VIRGINIA POLYTECHNIC INST	11,144	6,123	61	73	429	0	75	1,427	411	549	1,193	443	0
VIRGINIA STATE COL	4,314	746	0	0	20	0	0	2,401	0	32	500	0	575
VIRGINIA UNION UNIV	1,190	0	0	0	0	0	0	1,190	0	0	0	0	0
VIRGINIA WESLEYAN COL	77	0	0	0	0	0	0	77	0	0	0	0	0
VIRGINIA WESTERN COMM COL	205	0	0	0	0	0	0	205	0	0	0	0	0
WASHINGTON & LEE UNIV	151	0	0	0	0	0	0	76	0	0	75	0	0
WYTHEVILLE COMM COL	536	0	0	0	0	0	0	536	0	0	0	0	0
WASHINGTON, TOTAL	95,666	3,533	2,737	2,071	5,518	274	414	66,773	410	940	12,175	176	11
RELIEVE COMM COL	217	0	0	0	0	0	0	217	0	0	0	0	0
RIG BEND COMM COL	140	0	0	0	0	0	0	140	0	0	0	0	0
CENTRAL WASH STATE COL	449	0	0	0	0	0	0	449	0	0	0	0	0
CENTRALIA COL	90	0	0	0	0	0	0	90	0	0	0	0	0
CLARK COL	142	0	0	0	0	0	0	142	0	0	0	0	0
COLUMBIA BASIN COMM COL	163	0	0	0	0	0	0	163	0	0	0	0	0
EASTERN WASH STATE COL	763	0	0	0	0	0	0	715	0	0	48	0	0
EDMONDS COMM COL	164	0	0	0	0	0	0	164	0	0	0	0	0
EVERETT COMM COL	214	0	0	0	0	0	0	214	0	0	4	0	0
EVERGREEN STATE COLLEGE	291	0	0	0	0	0	0	276	0	0	0	0	0
FORT STELLACOOM COMM COLL	154	0	0	0	0	0	0	158	0	0	5	0	0
FORT WRIGHT COL HOLY NAME	102	0	0	0	0	0	0	67	0	0	35	0	0
GONZAGA UNIV	291	0	0	0	0	0	0	287	0	0	4	0	0
GRAYS HARBOR COL	151	0	0	0	0	0	0	148	0	0	3	0	0
GREEN RIVER COMM COL	462	0	0	0	0	0	0	462	0	0	0	0	0
HIGHLINE COMMUNITY COLL	276	0	0	0	0	0	0	276	0	0	0	0	0
LOWER COLUMBIA COL	200	0	0	0	0	0	0	200	0	0	0	0	0
NORTHWEST COL	65	0	0	0	0	0	0	64	0	0	1	0	0
OLYMPIC COL	279	0	0	0	0	0	0	279	0	0	0	0	0
PACIFIC LUTHERAN UNIV	661	0	0	0	0	0	0	641	0	0	20	0	0
PENINSULA COL	76	0	0	0	0	0	0	76	0	0	0	0	0
SEATTLE COMM COL	1,460	0	0	0	0	0	0	1,469	0	0	11	0	0
SEATTLE PACIFIC COL	390	0	0	0	0	0	0	384	0	0	6	0	0
SEATTLE UNIV	442	0	0	0	28	0	0	740	0	0	74	0	0
SHORELINE COMM COL	274	0	0	0	0	0	0	274	0	0	0	0	0
SKAGIT VALLEY COL	100	0	0	0	0	0	0	100	0	0	0	0	0
SPOKANE COMM COL	483	0	0	0	0	0	0	483	0	0	0	0	0
ST MARTENS COL	136	0	0	0	0	0	0	136	0	0	0	0	0
TACOMA COMM COL	330	0	0	0	0	0	0	330	0	0	0	0	0
UNIV OF PUGET SOUND	667	0	0	0	0	0	0	614	0	0	53	0	0
UNIV OF WASHINGTON	73,244	214	2,505	2,071	5,412	0	596	50,327	147	940	10,945	176	11
WALLA WALLA COL	224	0	0	0	0	0	0	222	0	0	2	0	0
WALLA WALLA COMMUNITY COL	176	0	0	0	0	0	0	176	0	0	0	0	0
WASHINGTON STATE UNIV	9,035	3,319	274	0	70	274	177	3,621	263	0	1,047	0	0
WENATCHEE VALLEY COL	303	0	0	0	0	0	0	303	0	0	0	0	0
WESTERN WASH STATE COL	1,959	0	0	0	0	0	43	1,740	0	0	160	0	0
WHITMAN COL	153	0	0	0	0	0	0	138	0	0	15	0	0
WHITWORTH COL	223	0	0	0	0	0	0	221	0	0	2	0	0
YAKIMA VALLEY COL	259	0	0	0	0	0	0	259	0	0	0	0	0
WEST VIRGINIA, TOTAL	22,649	3,570	0	36	75	607	294	16,485	611	97	409	370	75
ALDERSON-BROADBENT COL	447	0	0	0	0	0	0	447	0	0	0	0	0
BECKLEY COL	44	0	0	0	0	0	0	44	0	0	0	0	0
BETHANY COL	261	0	0	0	0	0	0	212	0	0	49	0	0
BLUEFIELD STATE COL	345	0	0	0	0	0	0	345	0	0	0	0	0
CONCORD COL	669	0	0	0	0	0	0	667	0	0	2	0	0
DAVIS & ELKINS COL	275	0	0	0	0	0	0	275	0	0	0	0	0
FAIRMONT STATE COL	424	0	0	0	0	0	0	424	0	0	0	0	0
GLENVILLE STATE COL	366	0	0	0	0	0	0	366	0	0	0	0	0
MARSHALL UNIV	1,438	0	0	0	1	0	0	1,407	0	0	30	0	0

TABLE B-28
CONTINUEDTOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOE	DEO	EPA	HEW	IAT	NASA	NSF	DOT	OTHER*
WEST VIRGINIA													
MORRIS HARVEY COL	168	0	0	0	0	0	0	168	0	0	0	0	0
OHIO VALLEY COL	50	0	0	0	0	0	0	50	0	0	0	0	0
PARKERSBURG COMMUNITY COL	504	0	0	0	0	0	0	504	0	0	0	0	0
POTOMAC ST COL OF W VA U	143	0	0	0	0	0	0	143	0	0	0	0	0
SALEM COL	705	0	0	0	0	0	0	705	0	0	0	0	0
SHEPHERD COL	333	0	0	0	0	0	0	333	0	0	0	0	0
SOUTHERN W VA CNTY COL	28	0	0	0	0	0	0	28	0	0	0	0	0
W V COL OF GRAD STUDIES	23	0	0	0	0	0	0	23	0	0	0	0	0
WEST LIBERTY STATE COL	374	0	0	0	0	0	0	374	0	0	0	0	0
WEST VIRGINIA INST TECH	1,654	0	0	0	0	607	0	1,028	0	0	23	0	0
WEST VIRGINIA STATE COL	815	0	0	0	0	0	0	793	0	0	22	0	0
WEST VIRGINIA UNIV	11,675	3,670	0	36	74	0	294	6,219	611	57	269	370	74
WEST VIRGINIA WESLEYAN COL	1,358	0	0	0	0	0	0	1,358	0	0	0	0	0
WHEELING COL	116	0	0	0	0	0	0	102	0	0	14	0	0
WISCONSIN, TOTAL	95,218	5,474	2,846	1,750	2,453	3,849	923	65,445	380	2,482	10,934	198	54
ALVERNO COL	319	0	0	0	0	0	0	319	0	0	0	0	0
RELOTT COL	140	0	0	0	0	0	0	122	0	0	18	0	0
CARDINAL STRITCH COL	74	0	0	0	0	0	0	74	0	0	0	0	0
CARROLL COL	112	0	0	0	0	0	0	95	0	0	17	0	0
CARTHAGE COL	119	0	0	0	0	0	0	137	0	0	2	0	0
CONCORDIA COL	16	0	0	0	0	0	0	16	0	0	0	0	0
DISTRICT ONE TECH INST	144	0	0	0	0	0	0	110	0	0	74	0	0
DODGE COUNTY TECHS COL	2	0	0	0	0	0	0	2	0	0	0	0	0
DOMINICAN COL	141	0	0	0	0	0	0	183	0	0	0	0	0
EDGEWOOD COL	66	0	0	0	0	0	0	45	0	0	21	0	0
FOX VALLEY TECHNICAL INST	9	0	0	0	0	0	0	5	0	0	0	0	0
HOLY FAMILY COL	15	0	0	0	0	0	0	13	0	0	2	0	0
INST OF PAPER CHEMISTRY	149	3	0	0	0	0	140	0	0	0	6	0	0
KENOSHA TECHNICAL INST	203	0	0	0	0	0	0	203	0	0	0	0	0
LAKELAND COL	82	0	0	0	0	0	0	82	0	0	0	0	0
LAWRENCE UNIV	158	0	0	0	0	0	0	124	0	0	64	0	0
MADISON AREA TECH COLLEGE	175	0	0	0	0	0	0	175	0	0	0	0	0
MARIAN COL OF FOND DU LAC	107	0	0	0	0	0	0	107	0	0	0	0	0
MARQUETTE UNIV	2,544	0	37	0	82	0	2,389	0	3	298	35	0	0
MEDICAL COLLEGE OF WISC	5,443	0	0	0	100	0	5,261	4	0	116	0	0	0
MILTON COL	59	0	0	0	0	0	0	59	0	0	0	0	0
MILWAUKEE AREA TECH COL	549	0	0	0	0	0	0	582	0	0	7	0	0
MILWAUKEE SCHOOL OF ENG	83	0	0	0	0	0	0	47	0	0	36	0	0
MORRIS PARK TECH INST	57	0	0	0	0	0	0	57	0	0	0	0	0
MT MARY COL	73	0	0	0	0	0	0	73	0	0	0	0	0
MT SEBASTIAN COL	117	0	0	0	0	0	0	117	0	0	0	0	0
NE WISCONSIN TECH INST	76	0	0	0	0	0	0	76	0	0	0	0	0
NICOLEY COL & TECH INST	119	0	0	0	0	0	0	119	0	0	0	0	0
NORTH CENTRAL TECH INST	228	0	0	0	0	0	0	228	0	0	0	0	0
NORTHLAND COL	147	0	0	0	0	0	0	145	0	0	2	0	0
RIPON COL	244	0	0	0	0	0	0	189	0	0	59	0	0
ST FRANCIS COL	1	0	0	0	0	0	0	1	0	0	0	0	0
ST NORBERT COL	157	0	0	0	0	0	0	157	0	0	0	0	0
UNIV OF WIS EXTENSION DIV	11	0	0	0	0	0	0	11	0	0	0	0	0
UNIV OF WIS-EAU CLAIRE	501	0	0	0	0	0	0	481	0	0	20	0	0
UNIV OF WIS-GREEN BAY	265	0	0	0	0	0	0	245	0	0	20	0	0
UNIV OF WIS-LA CROSSE	227	0	0	0	0	0	0	209	0	0	18	0	0
UNIV OF WIS-MADISON	62,512	5,471	2,731	1,740	2,424	2,815	631	35,059	354	2,410	8,827	0	30
UNIV OF WIS-MILWAUKEE	4,348	0	59	0	47	214	75	3,200	0	69	541	163	0
UNIV OF WIS-OSHKOSH	430	0	0	0	0	0	0	391	0	0	39	0	0
UNIV OF WIS-PARKSIDE	524	0	19	0	0	0	0	420	0	0	99	0	0
UNIV OF WIS-PLATTEVILLE	119	0	0	0	0	0	0	101	14	0	4	0	0
UNIV OF WIS-RIVER FALLS	156	0	0	0	0	0	0	117	0	0	39	0	0
UNIV OF WIS-STEVENS POINT	452	0	0	0	0	0	0	799	0	0	53	0	0
UNIV OF WIS-STOUT	403	0	0	0	0	0	0	774	0	0	9	0	20
UNIV OF WIS-SUPERIOR	315	0	0	0	0	0	0	10	0	0	325	0	0
UNIV OF WIS-WHITEWATER	245	0	0	0	0	0	0	153	0	0	132	0	0
UNIV OF WISC CEN SYS	10,044	0	0	0	0	0	77	9,961	0	0	2	0	4
UNIV OF WISCONSIN CTR	470	0	0	0	0	0	0	444	0	0	2	0	0
VETERAN COL	476	0	0	0	0	0	0	468	8	0	2	0	0
WAUKESHA COUNTY TECH INST	4	0	0	0	0	0	0	4	0	0	0	0	0
WESTERN WISC TECH INST	247	0	0	0	0	0	0	247	0	0	0	0	0
WISC ST UNIV CEN SYS	110	0	0	0	0	0	0	0	0	0	110	0	0
WISCONSIN CONSERVATORY	11	0	0	0	0	0	0	11	0	0	0	0	0
WYOMING, TOTAL	7,372	1,273	44	0	564	0	110	3,345	912	101	983	0	0
CASPER COL	244	0	0	0	0	0	0	244	0	0	0	0	0
CENTRAL WYOMING COL	40	0	0	0	0	0	0	40	0	0	0	0	0
EASTERN WYOMING COL	45	0	0	0	0	0	0	45	0	0	0	0	0
LARAMIE COUNTY COMM COLL	224	0	0	0	0	0	0	224	0	0	0	0	0

TABLE B-28
CONTINUED

TOTAL FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES,
BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOO	OEO	EP4	HEW	IAT	NASA	NSF	DOT	OTHER*
WYOMING													
NORTHWEST COMM COL	98	0	0	0	0	0	0	90	0	0	0	0	0
SHERIDAN COLLEGE	252	0	0	0	0	0	0	252	0	0	0	0	0
UNIV OF WYOMING	6,424	1,273	94	0	564	0	110	2,397	912	101	943	0	0
WESTERN WYOMING COMM COL	29	0	0	0	0	0	0	29	0	0	0	0	0
GUAM, TOTAL	493	0	0	0	0	0	42	442	0	0	9	0	0
UNIVERSITY OF GUAM	493	0	0	0	0	0	42	442	0	0	9	0	0
PUERTO RICO, TOTAL	26,896	5,597	3,040	0	0	0	0	17,955	100	0	204	0	0
CATHOLIC UNIV OF P R	1,205	0	0	0	0	0	0	1,205	0	0	0	0	0
COL OF THE SACRED HEART	516	0	0	0	0	0	0	516	0	0	0	0	0
INTER AMER UNIV OF P R	1,647	0	0	0	0	0	0	1,641	0	0	6	0	0
PUERTO RICO JR COL	720	0	0	0	0	0	0	720	0	0	0	0	0
UNIV OF P R CEN SYS	1,369	0	3,040	0	0	0	0	155	0	0	74	0	0
UNIV OF P R MAYAGUEZ	756	0	0	0	0	0	0	541	100	0	115	0	0
UNIV OF P R RIO PIEDRAS	9,126	5,597	0	0	0	0	0	3,520	0	0	9	0	0
UNIV OF P R SAN JUAN	4,767	0	0	0	0	0	0	4,767	0	0	0	0	0
WORLD UNIVERSITY	56	0	0	0	0	0	0	56	0	0	0	0	0
VIRGIN ISLANDS, TOTAL	562	53	0	3	0	0	0	492	0	0	14	0	0
COL OF VIRGIN ISLANDS	562	53	0	3	0	0	0	492	0	0	14	0	0

* INCLUDES AID, HUD, AND LARRY

SOURCE: NATIONAL SCIENCE FOUNDATION

END OF LISTING

TABLE B-29

FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR RESEARCH
AND DEVELOPMENT, BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COA	DOE	DEF	EPA	HEW	IAT	NASA	NSF	DOT	OTHER*
UNITED STATES, TOTAL	1,952,943	89,566	86,786	23,591	243,544	9,257	17,709	879,278	23,045	112,426	334,722	12,413	22,286
ALABAMA, TOTAL	21,181	3,093	38	9	1,555	0	116	13,942	422	1,445	461	20	0
ALABAMA A & M UNIVERSITY	694	566	0	0	38	0	24	0	0	60	14	0	0
ATHENS COL	26	0	0	0	16	0	0	0	0	10	0	0	0
AUBURN UNIV	3,657	2,002	0	9	544	0	26	391	255	372	14	0	0
SOUTHERN UNION ST JR COL	9	0	0	0	0	0	0	9	0	0	0	0	0
TALLADEGA COL	14	0	0	0	0	0	0	0	0	14	0	0	0
TUSKEGEE INST	1,143	531	11	0	0	0	0	274	100	44	159	20	0
U OF ALA IN BIRMINGHAM	12,966	0	0	0	210	0	7	12,557	0	0	192	0	0
U OF ALA IN HUNTSVILLE	1,455	0	0	0	654	0	0	0	0	797	0	0	0
U OF ALA IN TUSCALOOSA	1,084	0	27	0	57	0	57	682	57	120	74	0	0
UNIV OF MONTEVALLO	4	0	0	0	0	0	1	0	0	4	0	0	0
UNIV OF SOUTH ALA	49	0	0	0	0	0	0	29	0	20	0	0	0
ALASKA, TOTAL	8,419	608	247	450	3,097	0	116	771	205	346	2,539	0	0
UNIV OF ALASKA	8,419	608	247	450	3,097	0	116	771	205	346	2,539	0	0
ARIZONA, TOTAL	12,042	1,190	288	6	2,469	0	192	3,556	326	1,715	2,254	0	86
ARIZONA STATE UNIV	1,229	18	75	0	171	0	0	518	0	39	407	0	0
NORTHERN ARIZ UNIV	125	125	0	0	0	0	0	0	0	0	0	0	0
PIMA COUNTY JR COLLEGE	5	0	0	0	0	0	0	5	0	0	0	0	0
PRESCOTT COL	2	0	0	0	0	0	0	0	2	0	0	0	0
UNIV & ST COL ARIZ S SYS	73	0	0	0	0	0	0	73	0	0	0	0	0
UNIV OF ARIZONA	10,649	1,047	213	6	2,298	0	192	2,968	326	1,676	1,847	0	86
ARKANSAS, TOTAL	6,601	2,285	46	101	0	0	34	3,635	145	25	288	0	0
HARDING COL	25	0	0	0	0	0	0	0	0	25	0	0	0
MENDOTA COL	10	0	0	0	0	0	0	10	0	0	0	0	0
STATE COLLEGE OF ARKANSAS	98	0	0	0	0	0	0	98	0	0	0	0	0
UNIV OF ARK FAYETTEVILLE	4,688	1,791	46	101	0	0	34	2,372	145	0	157	0	0
UNIV OF ARK MEDICAL CTR	1,275	0	0	0	0	0	0	1,147	0	0	131	0	0
UNIV OF ARK MONTICELLO	4	0	0	0	0	0	0	4	0	0	0	0	0
UNIV OF ARK PINE BLUFF	494	494	0	0	0	0	0	0	0	0	0	0	0
CALIFORNIA, TOTAL	249,927	2,927	13,470	1,551	37,621	1,445	1,575	124,652	1,815	18,462	63,775	1,164	430
CAL INST OF TECH	17,457	0	2,144	0	2,099	0	87	4,442	145	3,498	4,612	0	0
CAL ST COL DOMINGUEZ HILL	12	0	0	0	0	0	0	12	0	0	0	0	0
CAL ST COL SAN BERNARDINO	41	0	0	0	0	0	0	0	0	0	41	0	0
CALIF ST COL STANISLAUS	34	0	0	0	0	0	0	0	0	0	0	0	0
CALIF ST COLLEGE SONOMA	10	0	0	0	0	0	0	10	0	0	0	0	0
CALIF ST POLY UNIV POMONA	55	0	0	0	0	0	0	37	0	0	18	0	0
CALIF ST U SAN LU OBISPO	7	0	0	0	0	0	7	0	0	0	0	0	0
CALIF ST UNIV CHICO	45	7	0	0	0	0	0	0	0	25	13	0	0
CALIF ST UNIV FRESNO	344	25	0	0	0	0	0	0	359	0	0	0	0
CALIF ST UNIV FULLERTON	59	0	0	0	0	0	0	34	0	35	0	0	0
CALIF ST UNIV HAYWARD	54	0	0	0	38	0	6	10	0	0	0	0	0
CALIF ST UNIV HUMBOLDT	234	26	0	151	0	0	0	0	0	0	47	0	0
CALIF ST UNIV LONG BEACH	244	0	0	0	34	0	0	160	0	7	47	0	0
CALIF ST UNIV LOS ANGELES	135	0	0	0	0	0	0	82	0	0	53	0	0
CALIF ST UNIV NORTHIDGE	255	0	0	0	93	0	0	120	0	16	26	0	0
CALIF ST UNIV S FRANCISCO	44	0	0	0	0	0	0	53	0	9	22	0	0
CALIF ST UNIV SACRAMENTO	159	0	0	0	0	0	0	137	0	3	19	0	0
CALIF ST UNIV SAN DIEGO	1,307	0	53	0	747	0	0	129	0	0	374	0	0
CALIF ST UNIV SAN JOSE	371	0	0	122	64	0	0	20	0	137	24	0	0
CHABOT COL	30	0	0	0	0	0	0	30	0	0	0	0	0
CLAREMONT COL. CEN SYS	31	0	0	0	0	0	0	0	0	0	0	0	0
CLAREMONT GRADUATE SCHOOL	372	0	0	0	0	0	0	0	0	0	31	0	0
COL OF NOTRE DAME	12	0	0	0	0	0	0	53	0	0	52	0	267
COL OF SAN MATEO	1	0	0	0	0	0	0	0	0	0	12	0	0
FOOTHILL COL	17	0	0	0	0	0	0	1	0	0	0	0	0
HARVEY MUDD COL	17	0	0	0	0	0	0	17	0	0	0	0	0
LOMA LINDA UNIV	554	0	0	0	0	0	0	0	0	0	17	0	0
LOS ANGELES CITY COL	64	0	0	0	0	0	0	64	0	0	0	0	0
LOS ANGELES HARBOR COL	1	0	0	0	0	0	0	3	0	0	0	0	0
LOYOLA UNIV LOS ANGELES	102	0	0	0	0	0	0	102	0	0	0	0	0
MODESTO JR COL	6	0	0	0	0	0	0	6	0	0	0	0	0
MONTREY PENINSULA COL	2	0	0	0	0	0	0	0	0	0	2	0	0
OCCIDENTAL COL	9	0	0	0	0	0	0	0	0	0	9	0	0
PACIFIC OAKS COL	154	0	0	0	0	0	0	154	0	0	0	0	0
PACIFIC SCH OF RELIGION	7	0	0	0	0	0	0	7	0	0	0	0	0
PEPPERDINE UNIVERSITY	71	0	0	0	0	0	0	71	0	0	0	0	0
PITZER COL	6	0	0	0	0	0	0	6	0	0	0	0	0
POMONA COL	123	0	0	0	7	0	0	106	0	0	10	0	0
SACRAMENTO CITY COL	13	0	0	0	0	0	0	0	0	0	13	0	0

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CONTINUED

FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR RESEARCH
AND DEVELOPMENT, BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AFD	CON	DOE	OEI	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
CALIFORNIA													
SAN BERNARDINO VALLEY COL	11	0	0	0	0	0	0	11	0	0	0	0	0
SANTA BARBARA CITY COL	56	0	0	54	0	0	0	0	0	0	0	0	0
STANFORD UNIV	48,216	0	570	0	8,560	0	59	22,986	173	3,331	12,520	0	0
UNIV OF CAL BERKELEY	37,455	1,410	562	107	5,785	1,141	396	12,422	650	4,111	10,359	360	172
UNIV OF CAL DAVIS	15,774	965	1,725	0	321	0	97	9,751	114	191	3,032	0	32
UNIV OF CAL IRVINE	4,347	0	716	30	375	0	36	2,069	41	26	1,054	0	0
UNIV OF CAL LOS ANGELES	41,929	0	4,490	0	4,117	312	141	24,631	315	1,573	5,565	611	172
UNIV OF CAL RIVERSIDE	3,644	491	298	0	143	0	416	834	18	74	1,350	0	0
UNIV OF CAL SAN DIEGO	50,027	0	1,639	224	10,989	0	124	12,044	0	4,687	20,261	55	0
UNIV OF CAL SANTA CRUZ	1,175	0	137	0	25	32	0	296	0	6	679	0	0
UNIV OF CAL CENTRAL SYS	252	0	0	0	0	0	0	262	0	0	0	0	0
UNIV OF CAL SAN FRANCISCO	20,342	0	744	0	361	0	0	18,972	0	186	179	0	0
UNIV OF CAL SANTA BARBARA	3,148	0	222	200	593	0	44	1,033	0	70	941	5	0
UNIV OF REDLANDS	73	0	0	0	0	0	0	73	0	0	0	0	0
UNIV OF SAN FRANCISCO	366	0	0	0	40	0	0	194	0	124	0	0	0
UNIV OF SANTA CLARA	422	0	0	0	22	0	0	10	0	290	0	0	0
UNIV OF SOUTHERN CAL	20,027	0	149	691	3,224	0	136	12,691	0	459	2,210	333	170
UNIV OF THE PACIFIC	184	0	0	0	0	0	0	91	0	0	93	0	0
COLORADO, TOTAL	97,045	1,302	1,043	1,156	4,202	0	710	13,423	1,526	3,659	9,238	193	1,083
COLORADO COL	17	0	0	0	0	0	0	17	0	0	0	0	0
COLORADO SCH OF MINES	1,059	0	0	164	40	0	0	0	167	41	603	0	0
COLORADO STATE UNIV	10,799	1,292	217	179	561	0	174	1,945	769	626	4,359	0	1,083
COMMUNITY COLLEGE DENVER	10	0	0	0	0	0	0	10	0	0	0	0	0
SOUTHERN COLORADO ST COL	21	0	0	0	5	0	0	0	0	0	16	0	0
UNIV OF COLORADO	19,926	10	424	429	953	0	132	10,722	245	2,641	3,524	0	0
UNIV OF DENVER	4,934	0	0	10	2,641	0	0	414	349	271	732	103	0
UNIV OF NORTHERN COLORADO	275	0	0	0	0	0	0	275	0	0	0	0	0
CONNECTICUT, TOTAL	35,910	923	2,405	45	3,032	0	68	22,086	208	372	5,743	14	554
CONNECTICUT COL	72	0	0	0	4	0	0	68	0	0	0	0	0
FAIRFIELD UNIV	374	0	0	0	0	0	0	0	0	0	17	0	361
NEW ENGLAND INST	120	0	42	0	59	0	0	19	0	0	0	0	0
QUINNIPAC COL	50	0	0	0	0	0	0	50	0	0	0	0	0
SOUTHERN CONN STATE COL	7	0	0	0	0	0	0	7	0	0	0	0	0
ST JOSEPH COL	10	0	0	0	0	0	0	0	0	10	0	0	0
TRINITY COL	10	0	0	0	0	0	0	10	0	0	0	0	0
UNIV OF BRIDGEPORT	25	0	0	0	0	0	0	10	0	0	15	0	0
UNIV OF CONNECTICUT	6,455	523	83	85	357	0	64	4,107	137	92	1,003	0	0
UNIV OF HARTFORD	119	0	0	0	0	0	0	119	0	0	0	0	0
UNIV OF NEW HAVEN	7	0	0	0	0	0	0	7	0	0	0	0	0
WESLEYAN UNIV	751	0	0	0	10	0	0	298	0	0	429	14	0
YALE UNIV	27,506	0	2,780	0	2,602	0	0	17,311	71	270	4,279	0	193
DELAWARE, TOTAL	2,498	413	13	0	245	0	94	417	82	30	1,240	0	0
DELAWARE STATE COL	254	240	0	0	0	0	0	0	0	18	0	0	0
UNIV OF DELAWARE	2,640	573	13	0	245	0	94	417	82	12	1,240	0	0
DIST. OF COLUMBIA, TOTAL	21,766	91	162	92	4,117	204	763	13,523	86	942	1,599	286	341
AMERICAN UNIVERSITY	1,970	0	0	0	1,111	0	8	358	0	25	104	242	22
CATHOLIC UNIV OF AMERICA	1,631	0	16	0	870	0	14	280	62	53	278	44	14
FEDERAL CITY COL	134	0	0	0	0	0	46	12	0	40	0	0	0
GALLAUDET COL	510	0	0	0	0	0	0	435	0	0	74	0	0
GEORGE WASHINGTON UNIV	9,254	0	21	0	1,599	0	181	5,098	0	550	573	0	246
GEORGETOWN UNIV	5,162	45	39	0	482	0	190	3,994	2	30	468	0	2
HOWARD UNIV	3,095	6	86	0	55	204	14	2,345	22	204	102	0	57
WASHINGTON TECHNICAL INST	92	0	0	92	0	0	0	0	0	0	0	0	0
FLORIDA, TOTAL	34,807	1,714	1,766	2,043	6,175	0	704	15,413	296	424	4,730	335	201
EDWARD WATERS COL	21	0	0	0	0	0	0	0	0	0	21	0	0
FLORIDA AGR & MECH UNIV	570	399	0	0	0	0	0	116	0	0	55	0	0
FLORIDA ATLANTIC UNIV	829	0	0	0	52	0	33	44	0	0	450	0	0
FLORIDA INST OF TECH	179	0	0	0	52	0	0	92	0	35	0	0	0
FLORIDA PRESBYTERIAN COL	9	0	0	0	0	0	0	9	0	0	0	0	0
FLORIDA STATE UNIV	5,152	0	942	471	559	0	0	1,199	139	124	1,671	0	7
FLORIDA TECHNOLOGICAL UNIV	63	4	0	0	0	0	0	22	0	20	16	0	0
NOVA UNIV	964	0	0	52	347	0	0	90	0	0	376	99	0
ST UNIV SYS OF FLA	41	0	0	0	0	0	41	0	0	0	0	0	0
UNIV OF FLORIDA	11,561	1,314	444	57	2,183	0	464	6,329	157	385	2,324	0	194
UNIV OF MIAMI	16,606	0	315	1,463	2,496	0	166	7,551	0	260	3,719	236	0
UNIV OF SOUTH FLORIDA	575	0	21	0	86	0	0	274	0	0	194	0	0
UNIV OF TAMPA	37	0	0	0	0	0	0	37	0	0	0	0	0

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FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR RESEARCH
AND DEVELOPMENT, BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	CON	DOE	OEO	EPA	HEW	IAT	NASA	NSF	DOT	OTHER*
GEORGIA, TOTAL	24,852	2,781	834	146	3,944	0	271	12,682	258	450	2,997	850	115
ALBANY STATE COL	52	0	0	0	0	0	0	3	0	0	49	0	0
ATLANTA UNIV	93	0	0	0	0	0	0	93	0	0	0	0	0
ATLANTA UNIVERSITY CENTER	24	0	0	0	0	0	0	0	0	0	24	0	0
AUGUSTA COL	4	0	0	0	0	0	0	9	0	0	0	0	0
CLARK COL	58	0	0	0	0	0	0	26	0	0	62	0	0
EMORY UNIV	7,790	0	76	0	92	0	0	7,152	0	182	298	0	0
FORT VALLEY STATE COL	549	549	0	0	0	0	0	0	0	0	0	0	0
GEORGIA INST OF TECH	5,194	0	241	146	2,612	0	93	611	249	601	781	850	0
GEORGIA SOUTHERN COL	27	0	0	0	0	0	0	27	0	0	0	0	0
GEORGIA STATE UNIVERSITY	179	0	0	0	42	0	0	39	0	0	0	0	98
LA GRANGE COL	3	0	0	0	0	0	0	3	0	0	0	0	0
MEDICAL COL OF GEORGIA	2,048	0	0	0	10	0	44	1,994	0	0	0	0	0
MOREHOUSE COL	124	0	0	0	0	0	0	3	0	51	74	0	0
MORRIS BROWN COL	67	0	0	0	0	0	0	0	0	0	67	0	0
TIFT COL	176	0	0	0	0	0	0	176	0	0	0	0	0
UNIV OF GEORGIA	7,310	2,192	521	0	288	0	46	2,519	19	16	1,652	0	17
UNIV SYSTEM OF GEORGIA	48	0	0	0	0	0	45	0	0	0	0	0	0
WEST GEORGIA COL	27	0	0	0	0	0	0	27	0	0	0	0	0
HAWAII, TOTAL	12,977	690	626	1,259	1,641	0	0	3,501	127	2,073	3,060	0	0
UNIV OF HAWAII	12,977	690	626	1,259	1,641	0	0	3,501	127	2,073	3,060	0	0
IDaho, TOTAL	1,749	895	0	6	223	0	0	126	323	0	216	0	0
COL OF IDAHO	5	0	0	0	0	0	0	5	0	0	0	0	0
IDAHO STATE UNIV	72	0	0	0	0	0	0	68	0	0	4	0	0
UNIV OF IDAHO	1,709	895	0	6	223	0	0	50	323	0	212	0	0
ILLINOIS, TOTAL	46,675	2,132	7,727	213	4,677	0	1,019	39,969	713	3,744	22,050	485	362
BLACK HAWK COL	30	0	0	0	0	0	0	0	0	0	0	30	0
CHICAGO MEDICAL SCHOOL	465	0	0	0	14	0	0	390	0	0	59	0	0
DEPAUL UNIV	60	0	0	0	0	0	0	17	0	0	43	0	0
GOVERNORS STATE UNIV	31	0	0	0	0	0	0	31	0	0	0	0	0
ILLINOIS BENEDICTINE COL	70	0	70	0	0	0	0	0	0	0	0	0	0
ILLINOIS INST OF TECH	5,494	0	157	0	142	0	29	4,479	0	60	476	141	0
ILLINOIS ST UNIV	143	0	29	0	0	0	0	80	0	0	34	0	0
KNOX COL	3	0	0	0	0	0	0	3	0	0	0	0	0
LAKE FOREST COL	24	0	0	0	0	0	0	24	0	0	0	0	0
LOYOLA UNIV	1,065	0	40	0	43	0	0	957	0	0	25	0	0
MUNDELEIN COL	59	0	0	0	0	0	0	59	0	0	0	0	0
NORTHERN ILLINOIS UNIV	734	0	0	0	49	0	0	78	0	0	111	0	0
NORTHWESTERN UNIV	17,026	0	102	0	794	0	192	7,494	0	207	3,572	154	3
ROOSEVELT UNIV	13	0	0	0	0	0	0	13	0	0	0	0	0
SOUTHERN ILL U-CARBONDALE	753	41	0	0	0	0	0	428	6	0	260	0	18
SOUTHERN ILL U-EDWARDSVILLE	132	0	0	0	0	0	0	96	0	0	36	0	0
UNIV OF CHICAGO	11,079	0	3,965	158	964	0	44	14,024	0	2,405	5,002	0	177
UNIV OF ILL GEN SYS	13	0	0	0	12	0	0	0	1	0	0	0	0
UNIV OF ILLINOIS-CHGO CTR	1,194	0	14	0	221	0	42	506	0	25	590	0	0
UNIV OF ILLINOIS-MED CTR	4,251	0	0	0	0	0	0	4,249	0	0	12	0	0
UNIV OF ILLINOIS-URBANA	24,253	2,091	3,140	55	6,432	0	563	5,720	705	651	8,494	156	144
WESTERN ILLINOIS UNIV	65	0	0	0	0	0	12	21	0	0	32	0	0
INDIANA, TOTAL	14,599	2,632	2,343	166	2,741	49	339	13,214	502	1,697	9,345	1,357	590
BALL STATE UNIV	45	0	0	0	0	0	0	37	0	0	4	0	0
GOSHEN COL	14	0	0	0	0	0	0	14	0	0	0	0	0
IND UNIV GEN SYS	169	0	0	0	0	0	0	157	0	0	0	0	12
INDIANA STATE UNIV	222	15	0	113	0	0	21	73	0	0	0	0	0
INDIANA UNIV-BLOOMINGTON	7,659	0	177	0	351	29	136	3,973	83	244	2,550	0	116
INDIANA UNIV-INDIANAPOLIS	4,750	0	0	0	0	0	0	4,336	0	118	1,307	0	0
MARION COL	5	0	0	0	0	0	0	5	0	0	0	0	0
PURDUE UNIV	15,607	2,017	1,077	14	2,025	50	52	3,595	124	1,434	5,366	50	562
ROSE-HULMAN INST OF TECH	5	0	0	0	0	0	0	0	0	5	0	0	0
UNIV OF NOTRE DAME	4,099	0	1,133	19	364	0	120	1,015	95	10	1,343	0	0
WABASH COL	14	0	0	0	0	0	0	14	0	0	0	0	0
IOWA, TOTAL	16,914	2,142	60	6	765	0	72	9,221	414	1,789	2,277	192	0
COL OF OSTEOPATH MED SING	24	0	0	0	0	0	0	24	0	0	0	0	0
CORNELL COL	11	0	0	0	0	0	0	11	0	0	0	0	0
GRINNELL COL	9	0	0	0	0	0	0	0	0	0	9	0	0
IOWA CENTRAL COMM COL	6	0	0	0	0	0	0	6	0	0	0	0	0
IOWA ST U OF SCIENCE&TECH	5,597	2,131	11	6	124	0	72	1,144	273	60	1,584	192	0
KIRKWOOD COMMUNITY COLL	2	0	0	0	0	0	0	2	0	0	0	0	0
UNIV OF IOWA	11,274	11	49	0	641	0	0	8,023	141	1,729	594	0	0

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CONTINUEDFEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR RESEARCH
AND DEVELOPMENT, BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AFS	CON	DOE	DEB	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
IOWA													
UNIV OF NORTHERN IOWA	6	0	0	0	0	0	0	6	0	0	0	0	0
WARSAW COL	5	0	0	0	0	0	0	5	0	0	0	0	0
KANSAS, TOTAL	13,264	1,400	398	10	510	0	72	7,621	164	870	2,067	0	206
BETHEL COL	11	0	0	0	0	0	0	11	0	0	0	0	0
KANS ST COL OF PITTSBURG	5	0	0	0	0	0	0	5	0	0	0	0	0
KANSAS STATE UNIV	3,291	1,400	278	0	256	0	72	567	164	23	345	0	186
OTTAWA UNIV	9	0	0	0	0	0	0	9	0	0	0	0	0
UNIV OF KANSAS	9,661	0	105	0	154	0	0	6,892	0	794	1,714	0	0
WICHITA STATE UNIV	249	0	15	10	100	0	0	137	0	3	4	0	20
KENTUCKY, TOTAL	9,245	3,592	15	0	295	0	0	3,913	241	540	549	108	0
EASTERN KENTUCKY UNIV	1	0	0	0	0	0	0	1	0	0	0	0	0
KENTUCKY STATE COL	596	596	0	0	0	0	0	0	0	0	0	0	0
MOREHEAD STATE UNIV	244	0	3	0	0	0	0	245	0	0	0	0	0
UNIV OF KENTUCKY	7,004	2,996	12	0	172	0	0	2,523	241	521	439	100	0
UNIV OF LOUISVILLE	1,121	0	0	0	123	0	0	1,059	0	19	110	0	0
WESTERN KENTUCKY UNIV	35	0	0	0	0	0	0	35	0	0	0	0	0
LOUISIANA, TOTAL	16,511	2,097	196	721	1,070	51	321	9,409	107	713	1,421	0	5
DELGADO VOC TECH JR COLL	150	0	0	0	0	0	0	150	0	0	0	0	0
DILLARD UNIV	5	0	0	0	0	0	0	0	0	5	0	0	0
GRAMBLING COL	72	0	0	0	0	0	0	5	0	47	28	0	0
LA ST U MED CTR N ORLEANS	2,114	0	0	0	2	0	0	2,095	0	0	17	0	0
LA ST UNIV BATON ROUGE	5,291	2,034	112	721	777	0	237	245	82	366	717	0	0
LA ST UNIV NEW ORLEANS	647	0	0	0	25	0	22	363	0	72	165	0	0
LOUISIANA TECH UNIVERSITY	122	50	0	0	0	0	0	32	0	0	48	0	0
LOYOLA UNIV	5	0	0	0	0	0	0	0	0	5	0	0	0
LSU CENTRAL SYSTEM	76	0	0	0	0	0	34	19	19	0	0	0	0
NORTHEAST LOUISIANA UNIV	115	0	0	0	0	0	0	119	0	0	16	0	0
NORTHWESTERN ST UNIV-LA	10	0	0	0	0	0	0	0	6	4	0	0	0
OUR LADY HOLY CROSS COL	5	0	0	0	0	0	0	5	0	0	0	0	0
SOUTHERN UNIV	342	13	65	0	33	0	0	0	0	55	176	0	0
TULANE UNIV	7,595	0	19	0	233	51	24	6,367	0	154	652	0	5
UNIV OF SOUTHWESTERN LA	9	0	0	0	0	0	0	9	0	0	0	0	0
XAVIER U OF LOUISIANA	23	0	0	0	0	0	0	0	0	5	14	0	0
MAINE, TOTAL	1,737	903	0	163	24	0	77	152	84	0	330	0	0
BOWDOIN COL	73	0	0	0	0	0	0	37	0	0	36	0	0
COLBY COL	5	0	0	0	0	0	0	5	0	0	0	0	0
U OF ME-PORTLAND-GORHAM	135	0	0	163	0	0	32	0	0	0	0	0	0
UNIV OF MAINE ORONO	1,464	903	0	0	24	0	45	110	84	0	294	0	0
MARYLAND, TOTAL	53,546	1,408	2,902	253	3,841	237	24	30,025	111	5,181	6,444	0	2,750
BOWIE STATE COL	39	0	0	0	0	0	0	0	0	39	0	0	0
CATONSVILLE COMM COL	6	0	0	0	0	0	0	0	0	0	6	0	0
COLUMBIA UNION COL	10	0	0	0	0	0	0	0	0	10	0	0	0
COPPIN STATE COL	45	0	0	0	0	0	0	45	0	0	0	0	0
GOUCHER COL	3	0	0	0	0	0	0	0	0	0	3	0	0
JOHNS HOPKINS UNIV	36,535	0	1,022	214	1,731	0	24	24,156	0	2,903	2,435	0	2,750
LOYOLA COL	50	0	0	0	10	0	0	40	0	0	0	0	0
MORGAN STATE COL	1	0	0	0	0	0	0	1	0	0	0	0	0
TOWSON STATE COL	5	0	0	0	0	0	0	5	0	0	0	0	0
UNIV OF MARYLAND CEN SYS	17	0	0	0	17	0	0	0	0	0	0	0	0
UNIV OF MD COLLEGE PARK	11,675	1,856	1,440	39	1,111	237	0	1,042	131	2,274	3,905	0	0
UNIV OF MD, BALT CNTY	143	0	0	0	6	0	0	42	0	0	95	0	0
UNIV OF MD, BALTIMORE	5,591	0	0	0	965	0	0	4,577	0	44	0	0	0
UNIV OF MD, ESTRN SHORE	359	352	0	0	0	0	0	0	0	7	0	0	0
WASHINGTON COL	7	0	0	0	0	0	0	7	0	0	0	0	0
WESTERN MARYLAND COL	70	0	0	0	0	0	0	70	0	0	0	0	0
MASSACHUSETTS, TOTAL	200,456	1,614	9,431	1,665	61,445	405	1,415	57,597	511	25,123	36,451	2,112	1,287
AMHERST COL	564	0	0	0	0	0	30	410	0	0	124	0	0
ATLANTIC UNION COL	7	0	0	0	0	0	0	7	0	0	0	0	0
BOSTON COL	2,228	0	42	0	1,150	0	0	923	0	0	109	0	4
BOSTON UNIV	4,744	0	0	0	413	0	0	7,947	0	97	270	20	4
BRANDEIS UNIV	3,344	0	244	0	117	0	0	2,818	0	0	446	0	75
CLARK UNIV	294	2	49	0	0	0	0	153	10	12	68	0	0
EMERSON COL	3	0	0	0	0	0	0	3	0	0	0	0	0
EMMANUEL COL	180	0	0	0	180	0	0	0	0	0	0	0	0
HAMPSHIRE COLLEGE	27	0	0	0	0	0	0	0	0	0	0	0	0
HARVARD UNIV	65,450	25	1,738	95	2,474	405	340	27,468	0	4,452	7,627	165	661

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FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR RESEARCH
AND DEVELOPMENT, BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	CON	DOE	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER
MASSACHUSETTS													
LOWELL TECHNOLOGICAL INST	947	0	0	0	942	0	5	0	0	0	0	0	0
MASS COL OF PHARMACY	47	0	0	0	0	0	0	47	0	0	0	0	0
MASS INST OF TECH	104,942	10	6,291	1,097	46,797	0	655	11,533	275	19,978	16,358	1,413	48
MT HOLYOKE COL	99	0	0	0	0	0	0	78	0	0	11	0	0
NORTH SHORE COMM COL	3	0	0	0	0	0	0	3	0	0	0	0	0
NORTHEASTERN UNIV	1,845	0	0	0	950	0	0	325	0	129	392	0	0
REGIS COL	248	0	0	0	244	0	0	0	0	0	0	0	0
SMITH COL	70	0	0	0	0	0	0	0	0	0	0	0	0
SOUTHEASTERN MASS UNIV	74	0	0	0	0	0	0	53	0	0	17	0	0
TUFTS UNIV	5,535	0	315	0	310	0	3	4,517	0	27	166	0	0
UNIV MASS MED SCH-WORCESTER	216	0	0	0	0	0	0	195	0	0	21	0	0
UNIV-MASS AMHERST CAMPUS	6,242	977	278	0	655	0	191	1,491	193	294	2,259	0	0
UNIV-MASS BOSTON CAMPUS	510	0	0	0	0	0	0	20	0	0	96	514	0
WELLESLEY COL	131	0	0	0	0	0	0	131	0	0	0	0	0
WENTWORTH INST	1,437	0	0	0	1,437	0	0	0	0	0	0	0	0
WILLIAMS COL	254	0	0	15	29	0	0	65	0	0	133	0	0
WOODS HOLE OCEAN INST	15,372	0	455	468	7,545	0	145	131	0	127	7,460	0	0
WORCESTER POLYTECH INST	469	0	25	0	95	0	56	79	33	8	173	0	0
MICHIGAN, TOTAL	57,220	2,202	3,974	1,072	9,052	590	702	25,006	278	5,729	11,466	1,065	1,048
ADRIAN COL	5	0	0	0	0	0	3	0	0	0	0	0	0
ANDREWS UNIV	22	0	0	0	0	0	0	22	0	0	0	0	0
CALVIN COL	24	0	0	0	24	0	0	0	0	0	0	0	0
DELTA COL	3	0	0	0	0	0	0	3	0	0	0	0	0
EASTERN MICHIGAN UNIV	159	0	0	0	0	0	74	53	0	30	8	0	0
GOGHEIC COMM COL	3	0	0	0	0	0	0	3	0	0	0	0	0
HOPE COL	54	0	0	0	0	0	0	0	0	0	0	0	0
MERCY COL OF DETROIT	75	0	0	0	0	0	14	0	0	0	50	0	0
MERRILL-PALMER INST	21	0	0	0	0	0	0	75	0	0	0	0	0
MICH COL OSTEOPATHIC MED	11	0	0	0	0	0	0	21	0	0	0	0	0
MICH TECHNOLOGICAL UNIV	367	43	165	0	31	0	0	0	0	0	0	0	0
MICHIGAN STATE UNIV	11,770	2,014	1,502	0	164	0	249	3,777	746	321	2,413	0	154
NORTHERN MICHIGAN UNIV	183	4	0	0	0	0	3	0	0	0	29	0	154
OAKLAND UNIV	491	0	50	0	0	0	3	350	0	30	61	0	0
UNIV OF DETROIT	69	0	0	0	30	0	0	39	0	0	0	0	0
UNIV OF MICHIGAN	44,441	141	2,114	1,072	8,131	590	121	17,242	23	4,333	7,705	1,025	784
WAYNE STATE UNIV	4,579	0	147	0	544	0	0	3,106	0	15	731	40	0
WESTERN MICH UNIV	363	0	0	0	44	0	0	315	0	0	0	0	0
MINNESOTA, TOTAL	16,577	2,000	1,436	0	2,056	0	560	20,088	525	2,590	3,422	0	3,500
CONCORDIA COL, MOOREHEAD	7	0	0	0	0	0	3	7	0	0	0	0	0
GUSTAVUS ADOLPHUS COL	13	0	0	0	0	0	0	13	0	0	0	0	0
MACALESTER COL	76	0	0	0	0	0	0	76	0	0	0	0	0
ST CLOUD STATE COL	1	1	0	0	0	0	0	0	0	0	0	0	0
ST MARYS COL	6	0	0	0	0	0	0	6	0	0	0	0	0
ST OLAF COL	14	0	0	0	0	0	0	14	0	0	0	0	0
UNIV OF MINNESOTA	36,453	1,999	1,436	0	2,056	0	560	19,972	518	2,590	3,422	0	3,500
WINONA STATE COL	7	0	0	0	0	0	0	0	7	0	0	0	0
MISSISSIPPI, TOTAL	7,940	1,012	20	87	204	0	496	3,266	100	313	334	0	0
ALCORN AGR & MECH COL	579	579	0	0	0	0	0	0	0	0	0	0	0
JACKSON STATE COL	40	0	0	0	0	0	0	0	0	32	0	0	0
MISSISSIPPI COL	11	0	0	0	0	0	0	11	0	0	0	0	0
MISSISSIPPI STATE UNIV	3,292	2,265	0	5	42	0	496	106	100	132	146	0	0
UNIV OF MISSISSIPPI	3,512	154	20	70	166	0	0	2,998	0	19	175	0	0
UNIV OF SOUTHERN MISS	306	0	0	12	0	0	0	143	0	134	17	0	0
MISSOURI, TOTAL	17,569	2,556	265	16	2,356	197	47	26,665	339	1,157	3,626	47	258
CENTRAL MO STATE COL	4	0	0	0	0	0	0	4	0	0	0	0	0
LINCOLN UNIV	561	554	0	0	0	0	0	3	0	0	0	0	0
NORTHEAST MO ST COL	4	0	0	0	0	0	0	4	0	0	0	0	0
NORTHWEST MO STATE UNIV	8	0	0	0	0	0	0	8	0	0	0	0	0
ROCKHURST COL	29	0	0	0	29	0	0	0	0	0	0	0	0
SOUTHWEST MO STATE COL	24	0	0	0	3	0	0	10	0	0	14	0	0
ST LOUIS COL OF PHARMACY	5	0	0	0	0	0	0	5	0	0	0	0	0
ST LOUIS JR COLLEGE DIST	135	0	0	0	0	0	0	135	0	0	0	0	0
ST LOUIS UNIV	5,193	0	0	0	344	197	0	4,118	0	10	320	0	172
ST MARYS COL OF OFALLON	6	0	0	0	0	0	0	6	0	0	0	0	0
UNIV OF MISSOURI COLUMBIA	8,104	1,998	0	4	502	0	81	4,427	152	190	554	0	86
UNIV OF MISSOURI KAN CITY	412	0	0	0	61	0	0	299	23	29	0	0	0
UNIV OF MISSOURI ROLLA	1,051	0	0	0	158	0	4	0	145	111	543	0	0
UNIV OF MISSOURI ST LOUIS	204	0	0	0	54	0	0	20	0	0	43	47	0
UNIV OF MO GEN SYS	59	0	0	0	0	0	0	59	9	0	0	0	0
WASHINGTON UNIV	21,752	0	245	10	1,164	0	0	17,580	0	417	1,712	0	0

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FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR RESEARCH
AND DEVELOPMENT, BY STATE, INSTITUTION, AND AGENCY, FY 1972
(1 DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF	NSF
MONTANA, TOTAL	5,993	1,365	68	8	72	8	267	753	424	99	997	8	8	8
MONTANA STATE UNIV	2,791	1,212	26	8	72	8	41	988	365	82	493	8	8	8
UNIV OF MONTANA	412	153	42	8	8	8	166	265	59	13	164	8	8	8
NEBRASKA, TOTAL	7,559	1,626	49	28	78	8	64	4,158	211	199	558	8	295	8
CENTRAL NEB TECHNICAL COL	26	8	8	8	8	8	8	26	8	8	8	8	8	8
CHADRON STATE COL	14	8	8	8	8	8	8	2	8	8	17	8	8	8
CREIGHTON UNIV	649	8	8	8	8	8	8	351	8	8	98	8	8	8
DANA COL	46	8	8	8	8	8	23	8	8	8	26	8	8	8
DOANE COL	52	8	8	8	8	8	8	8	52	8	8	8	8	8
HASTINGS COL	27	8	8	8	8	8	8	27	8	8	8	8	8	8
UNIV OF NEB MED CTR AT OMAHA	869	8	8	8	8	8	8	799	8	8	78	8	8	8
UNIV OF NEBRASKA GEN SYS	240	8	8	8	8	8	8	8	8	8	8	8	295	8
UNIV OF NEBRASKA LINCOLN	5,441	1,626	49	28	78	8	8	2,881	199	199	452	8	8	8
UNIV OF NEBRASKA-OMAHA	129	8	8	8	8	8	68	80	8	8	8	8	8	8
NEVADA, TOTAL	3,267	681	367	46	246	8	289	181	949	19	488	8	8	8
DESERT RESEARCH INSTITUTE	991	8	8	28	8	8	262	8	318	8	411	8	8	8
UNIV OF NEV GEN CAMPUS	2,878	596	110	14	246	8	12	181	679	8	76	8	8	8
UNIV OF NEVADA GEN SYS	41	8	8	8	8	8	8	8	8	8	41	8	8	8
UNIV OF NEVADA LAS VEGAS	137	45	47	8	8	8	35	8	8	19	8	8	8	8
NEW HAMPSHIRE, TOTAL	4,762	679	47	526	268	8	45	3,281	72	721	1,113	8	8	8
DARTMOUTH COL	4,136	8	47	8	42	8	45	3,032	8	169	781	8	8	8
FRANKLIN PIERCE COL	68	8	8	8	8	8	8	8	8	8	8	8	8	8
PLYMOUTH STATE COLLEGE	2	8	8	8	8	8	8	8	8	8	8	8	8	8
UNIV OF N H DURHAM	2,564	679	8	526	114	8	8	267	72	572	332	8	8	8
NEW JERSEY, TOTAL	25,418	1,141	1,468	141	3,637	8	335	8,708	136	2,933	6,768	497	14	8
COL OF MED & DENT OF N J	1,179	8	8	8	8	8	8	1,161	8	8	14	8	8	8
FAIRFIELD HIGHTOWN UNIV	55	8	8	8	56	8	8	8	8	8	8	8	8	8
MONTCLAIR STATE COL	55	8	8	8	6	8	8	45	8	8	8	8	8	8
NEWARK COL OF ENGINEER'G	27	8	8	8	12	8	8	8	8	8	15	8	8	8
PRINCETON UNIV	14,656	8	1,468	48	2,912	8	198	2,515	8	2,983	6,184	376	12	8
RICHARD STOCKTON ST COLL	18	8	8	8	8	8	8	8	8	8	8	8	8	8
RODGERS UNIVERSITY	4,596	1,111	57	19	167	8	137	4,488	136	38	1,727	37	2	8
SETON HALL UNIV	52	8	8	8	42	8	8	40	8	8	8	8	8	8
ST PETERS COL	873	8	8	8	873	8	8	8	8	8	8	8	8	8
STEVENS INST OF TECH	977	8	19	78	8	8	8	59	8	8	326	49	8	8
NEW MEXICO, TOTAL	12,668	863	8	8	4,521	8	24	2,774	422	933	1,073	224	628	8
COL OF SANTA FE	35	8	8	8	8	8	8	35	8	8	8	8	8	8
EASTERN NEW MEXICO UNIV	221	8	8	8	8	8	24	193	8	8	8	8	8	8
NEW MEX INST MINING & TEC	1,017	8	8	8	681	8	8	8	30	8	386	8	8	8
NEW MEXICO STATE UNIV	4,465	863	8	8	3,745	8	8	1,349	392	395	138	8	8	8
UNIV OF ALBUQUERQUE	16	8	8	8	10	8	8	8	8	8	8	8	8	8
UNIV OF NEW MEXICO	4,928	18	8	8	1,167	8	8	1,197	8	537	557	224	628	8
NEW YORK, TOTAL	299,961	2,389	13,502	1,274	17,817	294	1,282	171,346	655	7,473	62,933	463	1,489	8
ROSELAND UNIV	493	8	8	8	8	8	8	448	8	8	45	8	8	8
ALBANY COL OF PHARMACY	7	8	8	8	8	8	8	7	8	8	8	8	8	8
ALBANY MEDICAL COL	2,978	8	8	8	8	8	8	2,928	8	58	8	8	8	8
BANK STREET COL OF ED	19	8	8	8	8	19	8	8	8	8	8	8	8	8
BARNARD COL	14	8	8	8	14	8	8	8	8	8	8	8	8	8
CLARKSON COL OF TECH	898	8	74	8	94	8	74	216	8	28	412	8	8	8
COLUMBIA UNIV	45,693	18	3,429	408	5,028	127	27	28,471	81	2,756	12,117	78	588	8
COLUMBIA UNIV GEN SYS	281	8	8	8	8	8	8	281	8	8	8	8	8	8
CORNELL UNIV	11,814	2,231	1,332	24	2,847	8	522	11,415	257	972	11,554	8	588	8
CUNY BROOKLYN COL	271	8	62	8	32	8	8	110	8	8	67	8	8	8
CUNY CENTRAL SYSTEM	1,593	8	8	8	286	8	8	937	8	8	8	8	372	8
CUNY CTRY COL	1,877	8	56	8	48	8	8	193	8	159	1,712	8	8	8
CUNY GRAD SCH & UNIV CTR	312	8	8	8	8	8	8	238	8	8	74	8	8	8
CUNY HOSTOS COMM COL	18	8	8	8	8	8	8	18	8	8	8	8	8	8
CUNY HUNTER COL	396	8	8	8	8	8	8	164	8	8	142	8	8	8
CUNY LEHMAN COLLEGE	99	8	8	8	8	8	33	64	8	8	8	8	8	8
CUNY MEDGAR EVERS COL	15	8	8	8	8	8	8	15	8	8	8	8	8	8
CUNY MT SINAI SCH OF MED	4,922	8	32	8	149	8	8	4,947	8	17	177	8	8	8
CUNY QUEENS COL	414	8	8	8	8	8	8	245	8	8	159	8	8	8
CUNY ROCKFORD COL	15	8	8	8	8	8	8	8	8	8	15	8	8	8
CUNY STATEN ISL COMM COL	9	8	8	8	8	8	8	8	8	8	8	8	8	8
DUDLEY OBSERVATORY	473	8	8	8	8	8	8	8	8	973	8	8	8	8
FORDHAM UNIV	381	8	8	8	27	8	8	168	8	154	36	8	8	8

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CONTINUEDFEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR RESEARCH
AND DEVELOPMENT, BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOE	DEF	ESA	HEW	IAT	NASA	NSF	DOT	OTHER*
NEW YORK													
HAMILTON COL	28	0	0	0	0	0	0	0	0	28	0	0	0
MORART AND WM SMITH COL	3	0	0	0	0	0	0	3	0	0	0	0	0
HOFSTRA UNIV	78	0	0	0	0	0	0	3	0	0	0	0	0
ITHACA COL	24	0	0	0	0	0	0	32	0	11	35	0	0
LONG ISLAND UNIVERSITY	212	0	0	0	0	0	0	24	0	0	0	0	0
MANHATTAN COL	121	0	0	0	24	0	0	83	3	87	0	25	14
MARIST COL	3	0	0	0	0	0	0	0	0	0	0	0	0
NEW SCHOOL FOR SOCIAL RES	272	0	0	0	0	0	0	3	0	0	0	0	0
NEW YORK MEDICAL COL	4,526	0	0	0	0	0	0	272	0	0	0	0	0
NEW YORK UNIV	21,845	0	2,350	70	2,822	0	164	15,230	70	637	2,514	122	196
POLYTECHNIC INST OF BROLYN	2,576	0	35	0	1,672	0	23	374	0	55	713	0	0
PRATT INST	20	0	0	0	0	0	0	20	0	0	0	0	0
ROESSLER POLYTECH INST	3,206	0	877	0	674	0	1	361	0	514	799	0	0
ROCHESTER INST OF TECH	144	0	0	0	14	0	0	0	150	0	25	0	0
ROCKEFELLER UNIV	9,281	0	71	0	189	0	0	4,857	0	0	886	0	0
ST JOHNS UNIV	6	0	0	0	0	0	0	0	0	0	0	0	0
SUNY ALT COL ALFRED	10	0	0	0	0	0	0	0	0	15	0	0	0
SUNY BROOME TECH CMTY COL	4	0	0	0	0	0	0	0	0	0	0	0	0
SUNY C ENV SCI & FORESTRY	137	0	0	0	0	0	0	105	34	0	197	0	0
SUNY CENTRAL SYSTEM	986	0	0	724	20	0	169	53	0	0	0	0	0
SUNY COL BROOKPORT	30	0	0	0	0	0	0	30	0	0	0	0	0
SUNY COL BUFFALO	677	0	0	0	487	0	0	70	0	0	0	0	0
SUNY COL CORTLAND	33	0	0	0	0	0	0	26	0	0	7	0	0
SUNY COL FREDONIA	89	0	0	0	0	0	0	19	0	0	70	0	0
SUNY COL GENESEE	47	0	0	0	0	0	0	0	0	47	0	0	0
SUNY COL NEW PALTZ	11	0	0	0	0	0	0	0	0	0	11	0	0
SUNY COL ONEONTA	11	0	0	0	0	0	0	11	0	0	0	0	0
SUNY COL OSWEGO	27	0	0	0	0	0	0	27	0	0	0	0	0
SUNY COL PLATTSBURGH	12	0	0	0	0	0	0	0	0	12	0	0	0
SUNY COL PURCHASE	47	0	0	0	0	0	0	47	0	0	0	0	0
SUNY DOWNSTATE MED CTR	4,159	0	0	0	191	0	0	3,925	0	1	42	0	0
SUNY ST U ALBANY	4,763	26	66	0	318	192	71	3,262	0	0	418	0	12
SUNY ST U BINGHAMTON	449	0	0	0	0	0	0	134	0	0	355	0	0
SUNY ST U BUFFALO	4,238	0	117	0	78	0	0	6,766	0	185	1,852	0	0
SUNY ST U STONY BROOK	5,163	0	619	0	47	0	0	1,058	0	593	2,786	0	0
SUNY UPSTATE MED CTR	2,150	0	0	0	0	0	0	2,150	0	0	35	0	0
SYRACUSE UNIV	4,615	122	144	0	1,274	0	0	1,440	35	58	1,268	33	0
TEACHERS COL	543	0	0	0	0	0	0	485	0	0	58	0	0
UNION COL	24	0	0	0	20	0	0	0	0	0	4	0	0
UNIV OF ROCHESTER	14,371	0	4,455	0	1,544	0	0	9,141	0	127	2,719	205	175
UTICA COLLEGE	64	0	0	0	0	0	0	44	0	0	0	0	0
VASSAR COL	20	0	0	0	0	0	0	20	0	0	0	0	0
WEBB INST OF NAVAL ARCH	92	0	0	90	4	0	0	0	0	0	20	0	0
YESHIVA UNIV	19,864	0	66	0	655	0	0	17,325	24	0	998	0	0
NORTH CAROLINA, TOTAL													
APPALACHIAN STATE UNIV	146	0	0	0	0	0	0	146	0	0	0	0	0
DAVIDSON COL	37	0	0	0	0	0	0	0	0	0	37	0	0
DUKE UNIV	17,744	0	782	15	1,927	0	102	12,910	7	145	1,573	0	7
EAST CAROLINA UNIV	123	0	0	0	0	0	0	79	0	0	44	0	0
N C AGRIC & TECH ST UNIV	946	776	0	0	0	0	0	0	0	92	43	0	75
N C STATE UNIV AT RALEIGH	7,450	3,147	306	0	360	0	246	2,051	223	273	913	119	272
N C STATE UNIV AT WELLS	144	0	0	0	0	0	0	96	0	0	50	0	0
SHAW UNIV	50	0	0	0	0	0	0	50	0	0	0	0	0
UNIV OF N C AT CHAP HILL	16,411	0	394	720	761	0	92	11,309	0	15	3,504	0	14
UNIV OF N C AT GREENSBORO	69	0	0	0	0	0	0	6	0	0	41	0	0
UNIV OF N C GEN SYS	2,104	0	0	0	0	0	104	0	0	0	0	0	1,400
WAKE FOREST UNIV	2,916	0	20	0	40	0	0	2,820	0	0	36	0	0
WESTERN CAROLINA UNIV	99	0	0	45	0	0	0	42	0	0	12	0	0
NORTH DAKOTA, TOTAL													
JAMESTOWN COL	242	0	0	0	0	0	0	242	0	0	0	0	0
MINOT ST COL	25	0	0	0	0	0	0	25	0	0	0	0	0
NORTH DAKOTA STATE UNIV	1,330	935	0	105	0	0	39	49	160	16	0	0	0
UNIV OF NORTH DAKOTA	2,441	35	4	0	100	0	11	240	1,630	0	91	0	0
OHIO, TOTAL													
ANTIOCH COL	1,335	0	0	0	0	1,020	0	315	0	0	0	0	0
BLUFFTON COL	14	0	0	0	0	0	0	0	0	0	14	0	0
BOWLING GREEN STATE UNIV	299	0	0	0	0	0	0	135	0	35	129	0	0
CASE WESTERN RESERVE UNIV	14,433	0	651	0	1,427	0	14	9,144	114	565	2,786	0	147
CENTRAL STATE UNIV	172	0	0	0	0	172	0	0	0	0	0	0	0
CLEVELAND STATE UNIV	40	0	0	0	0	0	0	40	0	0	0	0	0
COL OF WOOSTER	14	0	0	0	0	0	0	14	0	0	0	0	0
DEMISON UNIV	14	0	0	0	0	0	0	14	0	0	0	0	0

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FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR RESEARCH
AND DEVELOPMENT, BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOE	DEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
OHIO													
JOHN CARROLL UNIV	46	0	0	0	39	0	3	0	0	0	47	0	0
KENT STATE UNIV	499	0	44	73	32	0	47	70	0	39	150	0	0
KENYON COL	31	0	0	0	0	0	0	31	0	0	0	0	0
WED COL OF OHIO AT TOLEDO	541	0	0	0	0	0	0	541	0	0	0	0	0
MIAMI UNIV	150	0	0	0	232	0	0	49	0	0	49	0	0
MUSKINGUM COL	12	0	0	0	0	0	0	0	0	0	12	0	0
OSWEGO COL	21	0	0	0	0	0	0	0	0	0	21	0	0
OHIO STATE UNIV	23,669	2,217	411	43	3,232	0	114	12,344	183	500	2,144	154	1,273
OHIO UNIV	475	0	0	0	225	0	9	74	0	76	107	0	0
OHIO WESLEYAN UNIV	22	0	0	0	0	0	0	22	0	0	0	0	0
UNIV OF AKRON	151	0	0	0	0	0	0	44	0	0	44	0	0
UNIV OF CINCINNATI	6,447	0	55	0	772	0	407	4,738	0	193	292	0	0
UNIV OF DAYTON	4,944	0	0	0	4,328	0	31	25	0	64	40	0	0
UNIV OF TOLEDO	159	0	0	0	0	0	0	44	41	10	42	0	0
WESTERN COLLEGE	17	0	0	0	0	0	0	0	0	0	17	0	0
WITTENBERG UNIV	36	0	0	0	14	0	0	20	0	0	0	0	0
WRIGHT STATE UNIV	413	0	0	0	240	0	3	173	0	0	0	0	0
YOUNGSTOWN STATE UNIV	17	0	0	0	0	0	0	0	0	17	0	0	0
OKLAHOMA, TOTAL	7,963	1,922	54	45	1,764	0	171	2,417	277	122	1,074	117	0
EAST CENTRAL STATE COL	67	0	0	0	0	0	0	67	0	0	0	0	0
LANGSTON UNIV	478	429	0	0	0	0	0	0	0	0	49	0	0
NORTHEASTERN STATE COL	11	0	0	0	0	0	0	0	0	0	11	0	0
OKLAHOMA BAPTIST UNIV	14	0	0	0	0	0	0	14	0	0	0	0	0
OKLAHOMA CITY UNIV	72	0	0	0	72	0	0	0	0	0	0	0	0
OKLAHOMA STATE UNIV	1,944	1,693	15	0	1,252	0	99	612	143	0	303	27	0
SEMINOLE JR COL	9	0	0	0	0	0	0	9	0	0	0	0	0
SOUTHWESTERN STATE COL	25	0	0	0	0	0	0	25	0	0	0	0	0
UNIV OF OKLAHOMA	7,229	0	19	45	440	0	72	1,679	119	76	669	90	0
UNIV OF TULSA	110	0	0	0	0	0	0	7	15	46	42	0	0
OREGON, TOTAL	22,994	1,438	790	1,742	1,718	0	449	10,509	231	504	5,165	0	298
GEORGE FOX COL	6	0	0	0	0	0	0	6	0	0	0	0	0
LANE COMM COL	144	0	0	0	0	0	0	144	0	0	0	0	0
LINFIELD COL	117	0	0	0	0	0	0	26	0	69	22	0	0
MT HOOD COMM COL	2	0	0	0	0	0	0	2	0	0	0	0	0
OREG ST HIGH ED GEN SYS	24	0	0	0	0	0	0	24	0	0	0	0	0
OREGON COL OF EDUCATION	61	2	29	0	0	0	0	30	0	0	0	0	0
OREGON GRADUATE CENTER	330	0	0	0	126	0	0	70	0	0	134	0	0
OREGON STATE UNIV	11,697	1,430	459	1,742	1,670	0	449	2,512	231	271	3,274	0	219
PACIFIC UNIV	45	0	0	0	0	0	0	45	0	0	0	0	0
PORTLAND COMM COL	39	0	0	0	0	0	0	39	0	0	0	0	0
PORTLAND STATE UNIVERSITY	264	0	0	0	64	0	0	170	0	0	28	0	0
REED COL	142	0	0	0	57	0	0	44	0	0	41	0	0
SOUTHERN OREGON COL	40	0	0	0	9	0	0	31	0	0	0	0	0
U OREGON DENTAL SCHOOL	343	0	0	0	103	0	0	240	0	0	0	0	0
U OREGON MEDICAL SCHOOL	3,429	0	42	0	20	0	0	3,777	0	0	0	0	0
UNIV OF OREGON - EUGENE	5,669	0	220	0	269	0	0	3,271	0	164	1,646	0	79
PENNSYLVANIA, TOTAL	47,988	2,467	3,615	335	4,657	292	694	51,466	1,206	1,975	16,160	364	349
BEAVER COL	5	0	0	0	0	0	0	5	0	0	0	0	0
BLOOMSBURG STATE COL	6	0	0	0	0	0	0	6	0	0	0	0	0
BYRN HAMP COL	242	0	0	0	0	0	0	195	0	0	47	0	0
BUCKNELL UNIV	64	0	0	0	0	0	0	27	0	0	37	0	0
CARNEGIE MELLON UNIV	4,469	0	1,505	0	2,897	0	0	1,174	0	139	2,755	35	4
CLARION STATE COL	10	0	0	0	0	0	0	10	0	0	0	0	0
DICKINSON COL	15	0	0	0	0	0	0	15	0	0	0	0	0
DREXEL UNIVERSITY	1,715	0	0	0	434	0	163	306	0	166	446	0	0
DUQUESNE UNIV	74	0	0	0	0	0	0	68	0	0	6	0	0
EAST STROUDSBURG STATE COL	9	0	0	0	0	0	0	9	0	0	0	0	0
FRANKLIN AND MARSHALL COL	214	0	0	0	0	0	0	24	0	0	36	150	0
GETTYSBURG COL	7	0	0	0	0	0	0	7	0	0	0	0	0
HANNEHMAN MED COL & HOSP	2,028	0	0	0	306	0	0	1,722	0	0	0	0	0
HAVERFORD COL	378	0	0	0	0	0	0	366	0	0	12	0	0
JUNIATA COL	4	0	0	0	0	0	0	4	0	0	0	0	0
LEHIGH UNIV	2,176	0	36	142	468	0	0	144	174	239	997	0	0
LINCOLN UNIV	169	0	20	0	0	0	0	149	0	0	0	0	0
LOCK HAVEN STATE COL	9	0	0	0	0	0	0	9	0	0	0	0	0
MARYWOOD COL	303	0	0	0	0	0	0	303	0	0	0	0	0
MEDICAL COLLEGE OF PA	711	0	0	0	0	0	0	681	0	0	30	0	0
PENNSYLVANIA STATE UNIV	15,989	2,412	148	62	1,183	0	275	7,515	712	747	2,695	74	101
PHILA COL OF PHARM & SCI	81	0	0	0	0	0	0	81	0	0	0	0	0
SHIPPENSBURG STATE COL	3	0	0	0	0	0	0	3	0	0	0	0	0
ST JOSEPHS COL	10	0	0	0	10	0	0	0	0	0	0	0	0
SWARTHMORE COL	213	0	0	0	0	0	0	39	0	15	159	0	0

TABLE B-29
CONTINUEDFEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR RESEARCH
AND DEVELOPMENT, BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	HEH	CON	DOH	OEI	ESA	HEW	IVT	NASA	NSF	DOT	OTHER*
PENNSYLVANIA													
TEMPLE UNIV	9,419	0	62	0	206	0	0	8,543	0	33	485	0	72
THOS JEFFERSON UNIV HOSP	1,474	0	96	0	12	0	3	1,430	0	0	0	0	0
UNIV OF PENNSYLVANIA	24,379	96	1,608	47	1,979	292	47	17,799	197	132	4,190	194	124
UNIV OF PITTSBURGH	13,197	0	160	0	1,167	0	13	4,676	149	504	2,240	0	48
VILLANOVA UNIV	92	0	0	0	20	0	0	72	0	0	0	0	0
WILKES COL	450	0	0	0	0	0	0	450	0	0	0	0	0
YORK COL OF PENNSYLVANIA	44	0	0	44	0	0	0	0	0	0	0	0	0
RHODE ISLAND, TOTAL	13,566	539	607	1,291	2,046	0	195	2,991	192	204	9,488	13	0
BROWN UNIV	4,197	0	492	103	879	0	3	2,424	60	204	1,734	0	0
JOHNSON & WALES COLLEGE	4	0	0	0	0	0	0	4	0	0	0	0	0
RHODE ISLAND COL	7	0	0	0	0	0	0	7	0	0	0	0	0
RHODE ISLAND SCH DESIGN	14	0	0	0	14	0	0	0	0	0	0	0	0
UNIV OF RHODE ISLAND	5,340	539	15	1,191	1,151	0	195	352	132	0	1,750	13	0
SOUTH CAROLINA, TOTAL	4,711	2,128	54	5	509	0	304	1,595	176	101	839	0	0
BENEDICT COL	150	0	9	0	0	0	0	150	0	0	0	0	0
CLEMSON UNIV	2,225	1,635	0	5	256	0	4	38	176	34	77	0	0
FURMAN UNIV	10	0	0	0	0	0	0	10	0	0	0	0	0
MED UNIV OF S CAROLINA	1,514	0	0	0	149	0	249	1,116	0	0	0	0	0
SOUTH CAROLINA STATE COL	493	493	0	0	0	0	3	0	0	0	0	0	0
UNIV OF SOUTH CAROLINA	1,797	0	44	0	184	0	41	259	0	65	767	0	0
WOFFORD COL	22	0	0	0	0	0	0	22	0	0	0	0	0
SOUTH DAKOTA, TOTAL	1,094	924	96	20	109	0	92	487	1,043	11	392	15	0
AUGUSTANA COL	54	0	0	0	0	0	0	0	0	0	54	0	0
SIOUX FALLS COL	20	0	0	0	0	0	0	0	0	0	20	0	0
SOUTH DAK SCH MINES TECH	1,044	0	0	20	91	0	0	0	741	0	199	0	0
SOUTH DAKOTA STATE UNIV	1,416	924	0	0	14	0	50	47	167	5	124	0	0
UNIV OF SOUTH DAKOTA	452	0	20	0	0	0	2	410	0	0	0	15	0
TENNESSEE, TOTAL	24,466	2,598	1,921	142	963	0	33	16,418	358	382	1,661	345	85
CLEVELAND STATE COLN COL	1	0	0	0	0	0	0	1	0	0	0	0	0
FISK UNIV	29	0	0	0	0	0	0	29	0	0	0	0	0
GEORGE PEABODY COL TECHR	464	0	0	0	0	0	0	464	0	0	0	0	0
KNOXVILLE COL	34	0	0	0	0	0	0	0	0	0	44	0	0
LE MOYNE-OWEN COL	9	0	0	0	0	0	0	9	0	0	0	0	0
MEMPHIS MEDICAL COL	1,107	0	0	0	0	0	0	1,107	0	0	0	0	0
MEMPHIS STATE UNIV	263	0	0	64	79	0	9	44	0	0	0	0	75
MILLIGAN COL	4	0	0	0	0	1	0	0	0	0	0	0	0
SOUTHWESTERN AT MEMPHIS	13	0	0	0	0	1	0	0	0	0	13	0	0
TENNESSEE STATE UNIV	620	573	11	0	0	0	0	0	0	0	36	0	0
TENNESSEE TECHNOLOG UNIV	121	0	0	0	46	0	3	20	0	50	0	0	0
W OF TENN MED UNITS MEMPH	1,929	0	43	0	97	0	0	1,757	0	0	0	0	0
UNIV OF TENN AT CHATTNGA	422	0	0	77	0	0	0	0	0	0	12	0	0
UNIV OF TENN AT KNOXVILLE	5,997	1,984	1,366	0	465	0	0	1,114	154	227	473	345	0
UNIV OF TENN GEN SYS	242	0	0	0	126	0	0	117	0	0	0	0	10
UNIV OF THE SOUTH	1	1	0	0	0	0	0	0	0	0	0	0	0
VANDERBILT UNIV	11,142	0	101	0	151	0	33	9,748	0	100	1,009	0	0
TEXAS, TOTAL	77,532	3,978	2,384	1,938	9,654	297	560	48,251	663	7,318	9,544	592	791
ABILENE CHRISTIAN COL	12	0	0	0	0	0	0	12	0	0	0	0	0
AUSTIN COL	6	0	0	0	0	0	0	6	0	0	0	0	0
BAYLOR COL OF DENTISTRY	14	0	0	0	0	0	0	14	0	0	0	0	0
BAYLOR COL OF MEDICINE	11,241	0	0	0	107	0	100	10,688	0	164	24	0	0
BAYLOR UNIV	1,522	0	33	0	107	0	0	1,340	0	0	42	0	0
BISHOP COL	70	0	0	0	27	0	0	0	0	0	43	0	0
EAST TEXAS STATE UNIV	9	0	0	0	0	0	0	9	0	1	0	0	0
EL PASO COMMUNITY COLLEGE	76	0	0	0	0	0	0	76	0	0	0	0	0
HOUSTON BAPTIST COL	20	0	0	0	0	0	0	0	0	20	0	0	0
LAMAR UNIVERSITY	9	0	0	0	0	0	0	0	0	9	0	0	0
NORTH TEXAS STATE UNIV	104	0	0	0	0	0	0	47	0	51	0	0	0
OUR LADY OF THE LAKE COL	12	0	0	0	0	0	0	12	0	0	0	0	10
PRAIRIE VIEW A & M COL	446	753	0	0	0	40	0	0	0	0	0	0	0
RICE UNIV	4,470	0	600	0	441	0	0	751	0	222	1,601	0	156
SOUTHERN METHODIST UNIV	1,547	0	0	15	889	0	27	7	85	75	445	0	75
SOUTHWEST TEXAS ST UNIV	13	0	13	0	0	0	0	0	0	0	0	0	0
STEPHEN F AUSTIN ST UNIV	112	42	0	0	0	0	0	10	0	0	0	0	0
TEXAS A & M UNIV	10,640	3,020	434	1,425	1,430	0	202	859	175	764	1,975	352	0
TEXAS A&M UNIV GEN SYS	757	17	0	0	0	0	10	88	249	0	0	0	333
TEXAS CHRISTIAN UNIV	121	0	0	0	54	0	0	0	0	31	36	0	0
TEXAS SOUTHERN UNIV	22	0	0	0	0	0	0	0	0	0	20	0	0
TEXAS TECH UNIVERSITY	882	10	4	0	206	0	3	255	40	88	255	0	13

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CONTINUEDFEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR RESEARCH
AND DEVELOPMENT, BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	REC	COM	DOE	OED	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
TEXAS													
TEXAS WOMANS UNIV	213	116	0	0	0	0	0	96	0	1	0	0	0
TRINITY UNIV	445	0	0	0	25	0	0	425	0	35	0	0	0
U OF TEX BRANCH HOUSTON	444	0	0	0	0	0	0	442	0	43	0	0	0
U OF TEX GRAD SCH BIZ SCT	834	0	0	0	0	0	0	794	0	0	40	0	0
U OF TEX MED SCH SAN ANT	1,609	0	0	0	150	0	0	1,419	0	20	20	0	0
U TEX HOUSTON MED SCHOOL	888	0	0	0	0	0	0	851	0	0	37	0	0
J TEX MD ANDRWSN HOSPITAL	4,316	0	41	0	66	0	0	4,064	0	16	125	0	0
U TEX MED BRNCH GALVESTON	3,168	0	0	0	0	0	0	2,923	0	190	35	0	0
U TEX NURS SCH (UNIV-WIDE)	391	0	0	0	0	0	0	391	0	0	0	0	0
U TEX SCH PUB HLTH HOUSTON	619	0	0	0	0	0	0	10	0	389	20	0	0
U TEX SW ANTONIO DENT SCH	21	0	0	0	0	0	0	21	0	0	0	0	0
U TEX SW MED SCH DALLAS	6,499	0	7	0	191	0	0	6,182	0	77	42	0	0
UNIV OF HOUSTON	2,682	0	172	0	136	0	17	583	36	412	676	240	10
UNIV OF ST THOMAS	66	0	0	0	45	0	0	0	0	0	21	0	0
UNIV OF TEXAS ARLINGTON	29	0	0	0	0	0	0	13	0	0	16	0	0
UNIV OF TEXAS AT AUSTIN	16,793	0	1,051	27	9,354	212	71	3,288	32	1,239	3,126	0	195
UNIV OF TEXAS AT DALLAS	1,506	0	0	34	151	0	0	511	0	2,075	731	0	0
UNIV OF TEXAS AT EL PASO	348	0	0	0	215	0	111	22	0	0	0	0	0
UNIV OF TEXAS GEN SYS	137	0	0	0	137	0	0	0	0	0	0	0	0
UTAH, TOTAL	25,471	929	1,252	191	4,428	0	373	10,600	1,314	1,104	4,175	311	892
BRIGHAM YOUNG UNIV	869	51	6	0	179	0	0	322	39	32	240	0	0
UNIV OF UTAH	17,312	2	1,709	164	2,848	0	214	9,649	417	1,032	2,320	111	110
UTAH HIGHWR PD CPM SYS	34	0	0	0	0	0	0	34	0	0	0	0	0
UTAH STATE UNIV	6,985	872	37	27	2,201	0	155	288	458	48	1,615	200	692
UTAH TECHNICAL COL-SLT LW	180	0	0	0	0	0	0	180	0	0	0	0	0
WEYER STATE COL	91	4	0	0	0	0	0	87	0	0	0	0	0
VERMONT, TOTAL	5,040	665	21	0	376	0	69	3,427	79	15	146	142	0
- BENNINGTON COL	3	0	0	0	0	0	0	3	0	0	0	0	0
JOHNSON STATE COL	7	0	0	0	0	0	0	7	0	0	0	0	0
MIDDLEBURY COL	109	0	0	0	0	0	24	21	0	0	64	0	0
UNIV OF VERMONT	4,901	665	21	0	376	0	45	3,496	79	15	62	142	0
WINDHAM COL	20	0	0	0	0	0	0	0	0	0	20	0	0
VIRGINIA, TOTAL	19,442	2,410	827	103	1,385	0	38	9,061	450	2,133	2,752	324	75
COL OF WILLIAM AND MARY	483	0	0	0	0	0	0	66	0	319	98	0	0
FERRIS JR COL	10	0	0	0	0	0	0	10	0	0	0	0	0
GEORGE MASON UNIVERSITY	14	0	0	0	0	0	0	0	0	0	14	0	0
HAMPTON INST	90	0	0	0	0	0	0	90	0	0	0	0	0
MADISON COL	10	0	0	0	0	0	0	10	0	0	0	0	0
OLD DOMINION UNIV	741	0	0	0	57	0	0	15	3	624	42	0	0
RANDOLPH-MACON WOMANS COL	6	0	0	0	0	0	0	6	0	0	0	0	0
ROANOKE COL	29	0	14	0	0	0	0	0	0	0	15	0	0
UNIV OF VIRGINIA	4,137	0	722	30	722	0	34	4,782	61	476	1,346	0	0
VA COMMONWEALTH UNIV	3,636	0	44	0	23	0	0	3,337	0	133	94	0	0
VIRGINIA MILITARY INST	54	0	0	0	54	0	0	0	0	0	0	0	0
VIRGINIA POLYTECHNIC INST	5,477	1,885	42	73	429	0	0	764	386	549	1,021	328	0
VIRGINIA STATE COL	694	545	0	0	20	0	0	1	0	32	21	0	75
WASHINGTON & LEE UNIV	57	0	0	0	0	0	0	0	0	0	57	0	0
WASHINGTON, TOTAL	92,826	1,707	2,486	2,071	5,510	0	584	28,457	355	980	10,624	11	11
CENTRAL WASH STATE COL	114	0	0	0	0	0	0	114	0	0	0	0	0
EASTERN WASH STATE COL	10	0	0	0	0	0	0	0	0	0	10	0	0
GRAYS HARBOR COL	2	0	0	0	0	0	0	2	0	0	0	0	0
SEATTLE COMM COL	150	0	0	0	0	0	0	150	0	0	0	0	0
SEATTLE PACIFIC COL	2	0	0	0	0	0	0	2	0	0	0	0	0
SEATTLE UNIV	28	0	0	0	28	0	0	0	0	0	0	0	0
ST MARTINS COL	43	0	0	0	0	0	0	43	0	0	0	0	0
UNIV OF WASHINGTON	49,241	214	2,222	2,071	5,412	0	505	26,715	147	980	9,943	11	11
WASHINGTON STATE UNIV	4,042	1,493	176	0	70	0	136	1,375	214	0	674	0	0
WESTERN WASH STATE COL	190	0	0	0	0	0	43	162	0	0	37	0	0
WEST VIRGINIA, TOTAL	4,145	1,228	0	36	79	150	274	1,258	549	57	29	370	75
ALDERSON-BROOKINGS COL	96	0	0	0	0	0	0	96	0	0	0	0	0
FAIRMONT STATE COL	7	0	0	0	0	0	0	7	0	0	0	0	0
MARSHALL UNIV	1	0	0	0	1	0	0	0	0	0	0	0	0
SHEPHERD COL	37	0	0	0	0	0	0	37	0	0	0	0	0
WEST VIRGINIA INST TECH	150	0	0	0	0	150	0	0	0	0	0	0	0
WEST VIRGINIA UNIV	3,994	1,228	0	36	79	0	274	1,118	549	57	29	370	75

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FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR RESEARCH
AND DEVELOPMENT, BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	HEC	COM	DOD	OE3	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
WISCONSIN, TOTAL	47,721	1,964	2,764	1,780	2,651	2,815	751	24,008	349	2,452	8,109	0	94
INST OF PAPER CHEMISTRY	143	3	0	0	0	0	140	0	0	0	0	0	0
LAWRENCE UNIV	44	0	0	0	0	0	0	15	0	0	43	0	0
MARQUETTE UNIV	502	0	34	0	82	0	0	220	0	3	163	0	0
MEDICAL COLLEGE OF WISC	3,732	0	0	0	100	0	0	3,519	6	0	107	0	0
MORRIS PARK TECH INST	25	0	0	0	3	0	3	25	0	0	0	0	0
OTIS COL	20	0	0	0	0	0	0	20	0	0	0	0	0
UNIV OF WIS EXTENSION DIV	11	0	0	0	0	0	0	11	0	0	0	0	0
UNIV OF WIS-EAU CLAIRE	47	0	0	0	0	0	3	47	0	0	0	0	0
UNIV OF WIS-GREEN BAY	10	0	0	0	0	0	0	10	0	0	0	0	0
UNIV OF WIS-MADISON	40,943	1,961	2,652	1,780	2,624	2,815	454	18,710	323	2,410	7,179	0	30
UNIV OF WIS-MILWAUKEE	521	0	44	0	47	0	75	34	0	64	337	0	0
UNIV OF WIS-PARKSIDE	110	0	19	0	0	0	0	11	0	0	40	0	0
UNIV OF WIS-PLATTEVILLE	14	0	0	0	0	0	0	0	14	0	0	0	0
UNIV OF WIS-STOUT	360	0	0	0	0	0	3	360	0	0	0	0	20
UNIV OF WISC GEN SYS	716	0	0	0	0	0	77	639	0	0	0	0	4
UNIV OF WISCONSIN CTR	493	0	0	0	0	0	0	493	0	0	0	0	0
VITERBO COL	6	0	0	0	0	0	0	0	6	0	0	0	0
WYOMING, TOTAL	2,996	725	59	0	564	0	96	178	461	101	412	0	0
UNIV OF WYOMING	2,996	725	59	0	564	0	96	178	461	101	412	0	0
GUAM, TOTAL	42	0	0	0	0	0	42	0	0	0	0	0	0
UNIVERSITY OF GUAM	42	0	0	0	0	0	42	0	0	0	0	0	0
PUERTO RICO, TOTAL	5,182	1,776	1,434	0	0	0	0	1,413	77	0	42	0	0
PUERTO RICO JR COL	10	0	0	0	0	0	0	10	0	0	0	0	0
UNIV OF P R GEN SYS	1,444	0	1,434	0	0	0	0	10	0	0	0	0	0
UNIV OF P R MAYAGUEZ	159	0	0	0	0	0	0	0	77	0	42	0	0
UNIV OF P R RIO PIEDRAS	1,776	1,776	0	0	0	0	0	0	0	0	0	0	0
UNIV OF P R SAN JUAN	1,793	0	0	0	0	0	0	1,793	0	0	0	0	0
- VIRGIN ISLANDS, TOTAL	4	0	0	3	0	0	9	0	0	0	3	0	0
COL OF VIRGIN ISLANDS	4	0	0	3	0	0	0	0	0	0	3	0	0

* INCLUDES AID, HUD, AND LAND

SOURCE: NATIONAL SCIENCE FOUNDATION

END OF LISTING

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FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR
R&D PLANT, BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	IAT	NASA	NSF	DOT	OTHER*
UNITED STATES, TOTAL	76,917	0	4,074	0	0	0	0	22,240	0	575	10,024	0	0
ALABAMA, TOTAL	1,200	0	0	0	0	0	0	1,200	0	0	0	0	0
U OF ALA IN BIRMINGHAM	1,200	0	0	0	0	0	0	1,200	0	0	0	0	0
ALASKA, TOTAL	49	0	0	0	0	0	0	0	0	0	49	0	0
UNIV OF ALASKA	49	0	0	0	0	0	0	0	0	0	49	0	0
ARIZONA, TOTAL	82	0	44	0	0	0	0	0	0	24	14	0	0
UNIV OF ARIZONA	82	0	44	0	0	0	0	0	0	24	14	0	0
CALIFORNIA, TOTAL	6,277	0	514	0	0	0	0	3,140	0	0	2,603	0	0
CAL INST OF TECH	425	0	0	0	0	0	0	0	0	0	425	0	0
CALIF ST UNIV LOS ANGELES	50	0	0	0	0	0	0	0	0	0	50	0	0
CALIF ST UNIV S FRANCISCO	30	0	0	0	0	0	0	0	0	0	30	0	0
STANFORD UNIV	356	0	0	0	0	0	0	0	0	0	156	0	0
UNIV OF CAL BERKELEY	349	0	45	0	0	0	0	0	0	0	104	0	0
UNIV OF CAL DAVIS	145	0	145	0	0	0	0	0	0	0	0	0	0
UNIV OF CAL LOS ANGELES	3,397	0	107	0	0	0	0	3,140	0	0	70	0	0
UNIV OF CAL RIVERSIDE	55	0	0	0	0	0	0	0	0	0	55	0	0
UNIV OF CAL SAN DIEGO	1,101	0	0	0	0	0	0	0	0	0	1,101	0	0
UNIV OF CAL SAN FRANCISCO	133	0	117	0	0	0	0	0	0	0	16	0	0
UNIV OF CAL SANTA BARBARA	60	0	0	0	0	0	0	0	0	0	60	0	0
UNIV OF SOUTHERN CAL	136	0	0	0	0	0	0	0	0	0	136	0	0
COLORADO, TOTAL	64	0	1	0	0	0	0	0	0	0	63	0	0
COLORADO STATE UNIV	43	0	0	0	0	0	0	0	0	0	43	0	0
UNIV OF COLORADO	21	0	1	0	0	0	0	0	0	0	20	0	0
CONNECTICUT, TOTAL	1,445	0	104	0	0	0	0	1,279	0	0	94	0	0
UNIV OF CONNECTICUT	15	0	0	0	0	0	0	0	0	0	15	0	0
YALE UNIV	1,470	0	104	0	0	0	0	1,279	0	0	83	0	0
DELAWARE, TOTAL	15	0	0	0	0	0	0	0	0	0	15	0	0
UNIV OF DELAWARE	15	0	0	0	0	0	0	0	0	0	15	0	0
DIST. OF COLUMBIA, TOTAL	30	0	0	0	0	0	0	0	0	0	30	0	0
GEORGETOWN UNIV	30	0	0	0	0	0	0	0	0	0	30	0	0
FLORIDA, TOTAL	697	0	0	0	0	0	0	520	0	0	177	0	0
FLORIDA STATE UNIV	13	0	0	0	0	0	0	0	0	0	13	0	0
UNIV OF MIAMI	164	0	0	0	0	0	0	0	0	0	164	0	0
UNIV OF SOUTH FLORIDA	520	0	0	0	0	0	0	520	0	0	0	0	0
GEORGIA, TOTAL	42	0	4	0	0	0	0	0	0	0	34	0	0
GEORGIA INST OF TECH	42	0	4	0	0	0	0	0	0	0	34	0	0
HAWAII, TOTAL	279	0	4	0	0	0	0	0	0	125	146	0	0
UNIV OF HAWAII	279	0	4	0	0	0	0	0	0	125	146	0	0
ILLINOIS, TOTAL	1,247	0	382	0	0	0	0	0	0	402	463	0	0
ILLINOIS INST OF TECH	23	0	0	0	0	0	0	0	0	0	23	0	0
NORTHWESTERN UNIV	73	0	0	0	0	0	0	0	0	0	73	0	0
UNIV OF CHICAGO	518	0	228	0	0	0	0	0	0	0	290	0	0
UNIV OF ILLINOIS-URBANA	613	0	154	0	0	0	0	0	0	402	77	0	0
INDIANA, TOTAL	423	0	120	0	0	0	0	0	0	0	103	0	0
INDIANA UNIV-BLOOMINGTON	176	0	0	0	0	0	0	0	0	0	176	0	0
PURDUE UNIV	112	0	17	0	0	0	0	0	0	0	115	0	0
UNIV OF NOTRE DAME	115	0	103	0	0	0	0	0	0	0	12	0	0
KANSAS, TOTAL	215	0	145	0	0	0	0	0	0	0	70	0	0
KANSAS STATE UNIV	203	0	145	0	0	0	0	0	0	0	58	0	0
UNIV OF KANSAS	12	0	0	0	0	0	0	0	0	0	12	0	0

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FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR
R&D PLANT, BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	CON	DOO	DEO	EPA	HEW	IAT	NASA	NSF	DOT	OTHER*
KENTUCKY, TOTAL	9	0	0	0	0	0	0	0	0	0	9	0	0
UNIV OF KENTUCKY	9	0	0	0	0	0	0	0	0	0	9	0	0
MARYLAND, TOTAL	162	0	42	0	0	0	0	0	0	0	120	0	0
JOHNS HOPKINS UNIV	120	0	0	0	0	0	0	0	0	0	120	0	0
UNIV OF MD COLLEGE PARK	42	0	42	0	0	0	0	0	0	0	0	0	0
MASSACHUSETTS, TOTAL	4,142	0	476	0	0	0	0	0	0	0	3,266	0	0
HARVARD UNIV	236	0	96	0	0	0	0	0	0	0	140	0	0
MASS INST OF TECH	410	0	740	0	0	0	0	0	0	0	50	0	0
MIT HOLYOKE COL	15	0	0	0	0	0	0	0	0	0	15	0	0
WOODS HOLE OCEAN INST	1,849	0	0	0	0	0	0	0	0	0	3,349	0	0
WORCESTER POLYTECH INST	12	0	0	0	0	0	0	0	0	0	12	0	0
MICHIGAN, TOTAL	292	0	112	0	0	0	0	0	0	0	70	0	0
MICHIGAN STATE UNIV	152	0	91	0	0	0	0	0	0	0	41	0	0
UNIV OF MICHIGAN	70	0	41	0	0	0	0	0	0	0	29	0	0
MINNESOTA, TOTAL	60	0	0	0	0	0	0	0	0	0	60	0	0
UNIV OF MINNESOTA	60	0	0	0	0	0	0	0	0	0	60	0	0
MISSISSIPPI, TOTAL	51	0	0	0	0	0	0	0	0	0	51	0	0
MISSISSIPPI STATE UNIV	30	0	0	0	0	0	0	0	0	0	30	0	0
UNIV OF MISSISSIPPI	21	0	0	0	0	0	0	0	0	0	21	0	0
MISSOURI, TOTAL	105	0	0	0	0	0	0	0	0	0	105	0	0
ST LOUIS UNIV	10	0	0	0	0	0	0	0	0	0	10	0	0
UNIV OF MISSOURI COLUMBIA	95	0	0	0	0	0	0	0	0	0	95	0	0
NEBRASKA, TOTAL	14	0	0	0	0	0	0	0	0	0	14	0	0
UNIV OF NEBRASKA-LINCOLN	14	0	0	0	0	0	0	0	0	0	14	0	0
NEW HAMPSHIRE, TOTAL	24	0	0	0	0	0	0	0	0	0	24	0	0
DARTMOUTH COL	24	0	0	0	0	0	0	0	0	0	24	0	0
NEW JERSEY, TOTAL	322	0	157	0	0	0	0	0	0	22	123	0	0
PRINCETON UNIV	244	0	157	0	0	0	0	0	0	22	65	0	0
RUTGERS UNIVERSITY	50	0	0	0	0	0	0	0	0	0	50	0	0
STEVENS INST OF TECH	8	0	0	0	0	0	0	0	0	0	8	0	0
NEW MEXICO, TOTAL	1,375	0	0	0	0	0	0	3,375	0	0	0	0	0
UNIV OF NEW MEXICO	1,375	0	0	0	0	0	0	3,375	0	0	0	0	0
NEW YORK, TOTAL	1,392	0	486	0	0	0	0	2,259	0	0	647	0	0
COLUMBIA UNIV	442	0	97	0	0	0	0	0	0	0	345	0	0
CORNELL UNIV	30	0	0	0	0	0	0	0	0	0	30	0	0
CUNY HUNTER COL	24	0	0	0	0	0	0	0	0	0	24	0	0
NEW YORK UNIV	1,747	0	24	0	0	0	0	1,759	0	0	0	0	0
RENSSELAER POLYTECH INST	164	0	113	0	0	0	0	0	0	0	51	0	0
ROCKFELLER UNIV	560	0	0	0	0	0	0	500	0	0	60	0	0
SYRACUSE UNIV	49	0	0	0	0	0	0	0	0	0	49	0	0
UNIV OF ROCHESTER	248	0	248	0	0	0	0	0	0	0	20	0	0
NORTH CAROLINA, TOTAL	5,542	0	19	0	0	0	0	5,437	0	0	226	0	0
DUKE UNIV	5,599	0	19	0	0	0	0	5,437	0	0	141	0	0
N C STATE UNIV AT RALEIGH	44	0	0	0	0	0	0	0	0	0	44	0	0
UNIV OF N C AT CHAP HILL	39	0	0	0	0	0	0	0	0	0	39	0	0
OHIO, TOTAL	610	0	179	0	0	0	0	291	0	0	145	0	0
CASE WESTERN RESERVE UNIV	22	0	0	0	0	0	0	0	0	0	22	0	0
OHIO STATE UNIV	390	0	17	0	0	0	0	291	0	0	52	0	0
OHIO UNIV	162	0	162	0	0	0	0	0	0	0	0	0	0
UNIV OF CINCINNATI	41	0	0	0	0	0	0	0	0	0	41	0	0

TABLE B-30
CONTINUED

FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR
R&D PLANT, BY STATE, INSTITUTION, AND AGENCY, FY 1972
(DOLLARS IN THOUSANDS)

STATE AND INSTITUTION	TOTAL	USDA	AEC	COM	DOD	OEO	EPA	HEW	INT	NASA	NSF	DOT	OTHER*
OKLAHOMA, TOTAL	32	0	0	0	0	0	0	0	0	0	32	0	0
OKLAHOMA STATE UNIV	32	0	0	0	0	0	0	0	0	0	32	0	0
OREGON, TOTAL	122	0	2	0	0	0	0	0	0	0	120	0	0
OREGON STATE UNIV	120	0	0	0	0	0	0	0	0	0	120	0	0
UNIV OF OREGON - EUGENE	2	0	2	0	0	0	0	0	0	0	0	0	0
PENNSYLVANIA, TOTAL	354	0	128	0	0	0	0	0	0	0	236	0	0
CARNEGIE MELLON UNIV	46	0	0	0	0	0	0	0	0	0	46	0	0
FRANKLIN AND MARSHALL COL	4	0	0	0	0	0	0	0	0	0	4	0	0
PENNSYLVANIA STATE UNIV	186	0	0	0	0	0	0	0	0	0	186	0	0
UNIV OF PENNSYLVANIA	128	0	128	0	0	0	0	0	0	0	0	0	0
RHODE ISLAND, TOTAL	47	0	0	0	0	0	0	0	0	0	47	0	0
UNIV OF RHODE ISLAND	47	0	0	0	0	0	0	0	0	0	47	0	0
SOUTH CAROLINA, TOTAL	49	0	0	0	0	0	0	0	0	0	49	0	0
FURMAN UNIV	17	0	0	0	0	0	0	0	0	0	17	0	0
UNIV OF SOUTH CAROLINA	32	0	0	0	0	0	0	0	0	0	32	0	0
TENNESSEE, TOTAL	126	0	86	0	0	0	0	0	0	0	40	0	0
GEORGE PEABODY COL TECHS	33	0	0	0	0	0	0	0	0	0	33	0	0
MEMPHIS STATE UNIV	7	0	0	0	0	0	0	0	0	0	7	0	0
UNIV OF TENN AT KNOXVILLE	69	0	69	0	0	0	0	0	0	0	0	0	0
VANDERBILT UNIV	17	0	17	0	0	0	0	0	0	0	0	0	0
TEXAS, TOTAL	4,945	0	272	0	0	0	0	4,582	0	0	91	0	0
RICE UNIV	156	0	126	0	0	0	3	0	0	0	30	0	0
TEXAS A & M UNIV	287	0	146	0	0	0	0	0	0	0	61	0	0
U TEX MD ANDRSON HOSPITAL	4,582	0	0	0	0	0	0	4,582	0	0	0	0	0
UTAH, TOTAL	318	0	217	0	0	0	0	0	0	0	101	0	0
UNIV OF UTAH	297	0	217	0	0	0	0	0	0	0	70	0	0
UTAH STATE UNIV	31	0	0	0	0	0	0	0	0	0	31	0	0
VIRGINIA, TOTAL	87	0	0	0	0	0	0	68	0	2	17	0	0
UNIV OF VIRGINIA	87	0	0	0	0	0	0	68	0	2	17	0	0
WASHINGTON, TOTAL	298	0	16	0	0	0	0	89	0	0	173	0	0
UNIV OF WASHINGTON	273	0	21	0	0	0	3	89	0	0	163	0	0
WASHINGTON STATE UNIV	25	0	15	0	0	0	0	0	0	0	10	0	0
WEST VIRGINIA, TOTAL	14	0	0	0	0	0	0	0	0	0	14	0	0
WEST VIRGINIA UNIV	14	0	0	0	0	0	0	0	0	0	14	0	0
WISCONSIN, TOTAL	174	0	9	0	0	0	0	0	0	0	165	0	0
MARQUETTE UNIV	23	0	0	0	0	0	0	0	0	0	23	0	0
UNIV OF WIS-MADISON	151	0	9	0	0	0	0	0	0	0	142	0	0
WYOMING, TOTAL	8	0	0	0	0	0	0	0	0	0	8	0	0
UNIV OF WYOMING	8	0	0	0	0	0	0	0	0	0	8	0	0
PUERTO RICO, TOTAL	47	0	47	0	0	0	0	0	0	0	0	0	0
UNIV OF P R GEN SYS	47	0	47	0	0	0	0	0	0	0	0	0	0

* INCLUDES AID, HUD, AND LABOR

SOURCE: NATIONAL SCIENCE FOUNDATION